

## Appendices

### Appendix 1 Questionnaire to Schools

Royal Society of Chemistry Project Questionnaire

June 2005

#### Chemicals & Procedures Possibly Banned from use in Schools with Pupils aged 11 to 16

##### 1. Information about you and your school

S1	Name of person filling in form	
S2	Position held	
S3	Name of education authority in which school situated	
S4	Name of school	
S5	School post code	
S6	Number of pupils on roll	
S7	Status of school ( <i>please tick one box</i> )	
	• Community school (ie, ordinary LEA school in England)	
	• Voluntary controlled school	
	• Voluntary aided school	
	• Foundation school	
	• Independent school	
	• Other ( <i>please specify</i> )	
S8	Age range of school	
	• 11/12 – 16	
	• 11/12 - 18	
	• 14 - 18	
	• 9/10/11 - 14	
	• Other ( <i>please specify</i> )	

##### 2. Science activities and chemical materials

A number of activities and materials are listed on the following pages. All these items have been raised by schools as being possibly banned. It is, of course, acknowledged that most, if not all the items do present significant hazards. They should only be carried out following a risk assessment in line with the employer's procedures and after adopting any necessary control measures.

*For each item please tick one box to show whether you think that the activity/chemical is banned or not. If you have ticked the box showing that you have documentary evidence that there is a ban please enclose a copy of the relevant page/s, making sure it is clear where they come from.*

Please add any other activities/chemicals which you think are banned and which we have omitted, at the end (or, if there is insufficient space at the end, in the space here).

		<b>A</b> I know that this is banned & enclose documentary evidence	<b>B</b> I believe this is banned but do not have documentary evidence	<b>C</b> This is not banned but is discouraged & documentary evidence is enclosed	<b>D</b> This is not banned but I believe it to be unsafe to carry out	<b>E</b> This is not banned but we don't do it because we don't think it is safe with our pupils	<b>F</b> This is not banned but we don't do it because we don't have / can't afford the resources	<b>G</b> This is not banned but we don't do it because we don't have the expertise	<b>H</b> This is not banned but we don't do it because it is not relevant to our courses / don't have time	<b>I</b> We do this sometimes, with appropriate safety precautions
Q1	Keeping small mammals									
Q2	Keeping giant African land snails									
Q3	Inflating a sheep's lung (eg, with bellows)									
Q4	Using a choice chamber with woodlice									
Q5	Bringing spawn of the common frog from a pond into school									
Q6	Dissection of eyeballs									
Q7	Dissection of hearts									
Q8	Dissection of rats									
Q9	Pupils taking samples of their own cheek cells									
Q10	Pupils using their own saliva in experiments									
Q11	Pupils taking samples of their own blood									
Q12	Incubating "finger dabs" on agar plates									
Q13	Burning peanuts in experiments									
Q14	Using spirometers									
Q15	Exploding cans of custard powder, icing sugar, lycopodium powder or similar									
Q16	Exploding cans containing methane / air mixtures									
Q17	Demonstrating explosions of hydrogen / oxygen mixtures									
Q18	Reducing heated copper(II) oxide with hydrogen									
Q19	Dropping potassium into water									
Q20	Heating iron/sulfur mixtures									

		<b>A</b> I know that this is banned & enclose documentary evidence	<b>B</b> I believe this is banned but do not have documentary evidence	<b>C</b> This is not banned but is discouraged & documentary evidence is enclosed	<b>D</b> This is not banned but I believe it to be unsafe to carry out	<b>E</b> This is not banned but we don't do it because we don't think it is safe with our pupils	<b>F</b> This is not banned but we don't do it because we don't have / can't afford the resources	<b>G</b> This is not banned but we don't do it because we don't have the expertise	<b>H</b> This is not banned but we don't do it because it is not relevant to our courses / don't have time	<b>I</b> We do this sometimes, with appropriate safety precautions
Q21	Demonstrating the thermite reaction									
Q22	Use of benzene									
Q23	Demonstrating the iodine/aluminium reaction									
Q24	Using a blowpipe in lead oxide/charcoal reductions									
Q25	Using bromine in diffusion demonstrations									
Q26	Demonstrating ammonium dichromate volcano									
Q27	Use of genuine crude oil									
Q28	Use of naphthalene (moth balls)									
Q29	Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)									
Q30	Use of mercury thermometers									
Q31	Use of model steam engines									
Q32	Use of air rifles in momentum demonstrations									
Q33	Use of starting pistol in speed of sound experiments									
Q34	Making pupils' hair stand on end with van de Graaff generators									
Q35	Use of stroboscopes									
Q36	Showing magnetic fields with iron filings									
Q37	Use of EHT equipment up to 5000 volts at less than 5 mA									
Q38	Demonstrating the power line at mains voltage on the transmission line									

		<b>A</b> I know that this is banned & enclose documentary evidence	<b>B</b> I believe this is banned but do not have documentary evidence	<b>C</b> This is not banned but is discouraged & documentary evidence is enclosed	<b>D</b> This is not banned but I believe it to be unsafe to carry out	<b>E</b> This is not banned but we don't do it because we don't think it is safe with our pupils	<b>F</b> This is not banned but we don't do it because we don't have / can't afford the resources	<b>G</b> This is not banned but we don't do it because we don't have the expertise	<b>H</b> This is not banned but we don't do it because it is not relevant to our courses / don't have time	<b>I</b> We do this sometimes, with appropriate safety precautions
Q39	Demonstrations using sealed radioactive sources									
Q40	Demonstrations using protactinium generators									

**S9 Evidence for “Banned” Science activities and chemical materials**

For those sections where you have ticked the box labelled “I know this is banned and enclose documentary evidence” have you enclosed a photocopy of the relevant page or section noting its source (eg “LEA Health & Safety Handbook”)? **Yes/No**

**S10 Please list here any other activities or chemicals you believe to be banned and are not included in the above list and enclose documentary evidence.** (Use additional space on the front page if necessary.)

**S11 Would you be prepared to give more details about activities and materials you believe to be banned if necessary?**

**Yes/No**

Thank you for your help. **PLEASE RETURN AS SOON AS POSSIBLE AND NO LATER THAN 5<sup>TH</sup> JULY.**

Please return using the enclosed FREEPOST label to CLEAPSS School Science Service, FREEPOST, Uxbridge, Middlesex, UB8 3BR or fax it to 01895 814372.

## Appendix 2 Questionnaire to Education Officers

Royal Society of Chemistry Project Questionnaire

June 2005

### Chemicals & Procedures Possibly Banned from use in Schools with Pupils aged 11 to 16

#### 2. Information about you and your education authority

E1	Name of person filling in form	
E2	Position held	
E3	Name of education authority	
E4	Address	
E5	Telephone	
E6	E-mail	

#### 3. The approach of your education authority to banning chemicals or activities

**E7** As far as I am aware, we do not formally ban or discourage the use of any chemicals or activities for science in secondary schools.

**True / False / don't know**

If you have answered "True" (ie, you do not ban or discourage anything) or "Don't know" there is no need to proceed any further.

If you have answered "False" (ie, you do ban or discourage certain items) please answer the remaining questions.

What source(s) of guidance does your education authority use to decide which activities are safe and which should be banned or discouraged?		
E8	CLEAPSS (or in Scotland, SSERC)	Yes / no
E9	DfES (in England) or equivalent education department in devolved administrations <i>If yes, please specify.</i>	Yes / no
E10	Health and Safety Executive (or Northern Ireland equivalent) <i>If yes, please specify.</i>	Yes / no
E11	Individual officers of the education authority <i>If yes, please specify.</i>	Yes / no
E12	Other <i>If yes, please specify.</i>	Yes / no
What is the status of any ban in your education authority?		
E13	It is a decision of education committee or equivalent	Yes / no
E14	It is authorised by a science adviser, inspector or equivalent, alone	Yes / no
E15	It is authorised by a health and safety adviser or equivalent, alone	Yes / no
E16	It is a joint decision by a health and safety adviser and a science adviser or equivalent	Yes / no
E17	Other <i>If yes, please specify.</i>	Yes / no
How do you inform schools about any bans ?		
E18	By means of a circular or newsletter (paper or electronic)	Yes / no
E19	It is incorporated in the authority's health and safety policy	Yes / no
E20	By training courses for teachers	Yes / no
E21	Other <i>If yes, please specify.</i>	Yes / no

### 3. Science activities and chemical materials

A number of activities and materials are listed on the following pages. All these items have been raised by schools as being possibly banned. It is, of course, acknowledged that most, if not all the items do present significant hazards. They should only be carried out following a risk assessment in line with the employer's procedures and after adopting any necessary control measures.

**For each item please tick one box to show whether the activity/chemical is banned or not. If you have ticked the box showing that an item is banned (column P or Q) please enclose a copy of the relevant page/s, making sure it is clear where they come from.**

Please add any other activities/chemicals which are banned and which we have omitted, at the end.

		<b>P</b> This is banned because it is banned nationally	<b>Q</b> This is banned by the education authority even although it is not banned nationally	<b>R</b> This is not banned but it is discouraged / not recommended	<b>S</b> This is not banned or discouraged by this education authority	If you have ticked column P, please state the source of the national information on which the ban is based (eg, DfES Memo 7/04) If you have ticked column Q or R please give the reason for the local action
Q1	Keeping small mammals					
Q2	Keeping giant African land snails					
Q3	Inflating a sheep's lung (eg, with bellows)					
Q4	Using a choice chamber with woodlice					
Q5	Bringing spawn of the common frog from a pond into school					
Q6	Dissection of eyeballs					
Q7	Dissection of hearts					
Q8	Dissection of rats					
Q9	Pupils taking samples of their own cheek cells					
Q10	Pupils using their own saliva in experiments					
Q11	Pupils taking samples of their own blood					
Q12	Incubating "finger dabs" on agar plates					
Q13	Burning peanuts in experiments					
Q14	Using spirometers					
Q15	Exploding cans of custard powder, icing sugar, lycopodium powder or similar					
Q16	Exploding cans containing methane / air mixtures					
Q17	Demonstrating explosions of hydrogen / oxygen mixtures					
Q18	Reducing heated copper(II) oxide with hydrogen					
Q19	Dropping potassium into water					
Q20	Heating iron/sulfur mixtures					

		<b>P</b> This is banned because it is banned nationally	<b>Q</b> This is banned by the education authority even although it is not banned nationally	<b>R</b> This is not banned but it is discouraged / not recommended	<b>S</b> This is not banned or discouraged by this education authority	If you have ticked column P, please state the source of the national information on which the ban is based (eg, DfES Memo 7/04)  If you have ticked column Q or R please give the reason for the local action
Q21	Demonstrating the thermite reaction					
Q22	Use of benzene					
Q23	Demonstrating the iodine/aluminium reaction					
Q24	Using a blowpipe in lead oxide/charcoal reductions					
Q25	Using bromine in diffusion demonstrations					
Q26	Demonstrating ammonium dichromate volcano					
Q27	Use of genuine crude oil					
Q28	Use of naphthalene (moth balls)					
Q29	Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)					
Q30	Use of mercury thermometers					
Q31	Use of model steam engines					
Q32	Use of air rifles in momentum demonstrations					
Q33	Use of starting pistol in speed of sound experiments					
Q34	Making pupils' hair stand on end with van de Graaff generators					
Q35	Use of stroboscopes					
Q36	Showing magnetic fields with iron filings					
Q37	Use of EHT equipment up to 5000 volts at less than 5 mA					
Q38	Demonstrating the power line at mains voltage on the transmission line					
Q39	Demonstrations using sealed radioactive sources					
Q40	Demonstrations using protactinium generators					

**Turn over**

**E22 Evidence for “banned” science activities and chemical materials**

For those sections where you have ticked box P or Q have you enclosed a photocopy of the relevant page or section noting its source (eg “LEA Health & Safety Handbook”)? **Yes/No**

**E23 Please list here any other activities or chemicals banned in your education authority and are not included in the above list and enclose documentary evidence.**

**E24 Would you be prepared to give more details about activities and materials banned in your education authority if necessary? **Yes/No****

Thank you for your help.

**PLEASE RETURN AS SOON AS POSSIBLE AND NO LATER THAN 5<sup>TH</sup> JULY.**

Please return using the enclosed **FREEPOST** label to **CLEAPSS School Science Service, FREEPOST, Uxbridge, Middlesex, UB8 3BR** or fax it to **01895 814372**

### Appendix 3 Analysis of circulation to, and responses from, schools

**Table 3(a) Numbers sent to schools and returned**

Country	Number sent	Numbers returned	% returned
England	1083	271	25.0
Wales	120	21	17.5
Northern Ireland	29	3	10.3
Scotland	447	109	24.4
Offshore islands	17	4	23.5
All	1696	408	24.1

**Table 3(b) Position held by respondent**

Position held	All schools number	All schools %	England & Wales etc number	England & Wales etc %	Scotland number	Scotland %
Teacher	212	52.0	116	38.8	96	88.1
Technician	180	44.1	173	57.9	7	6.42
Other	16	3.9	10	3.3	6	5.5
Total	408	100	299	100	109	100

**Table 3(c) Age range of schools**

Age range	All schools number	All schools %	England & Wales etc number	England & Wales etc %	Scotland number	Scotland %
With 6th form	305	74.8	206	68.9	99	90.8
No 6th form	103	25.3	93	31.1	10	9.2
Total	408	100	299	100	109	100

**Table 3(d) Size of School**

Number of pupils	All schools number	All schools %	England & Wales etc number	England & Wales etc %	Scotland number	Scotland %
Less than 500	58	14.2	27	9.0	31	28.4
500 to 1000	175	42.9	133	44.5	42	38.5
Over 1000	175	42.9	139	46.5	36	33.0

**Table 3(e) Status of School**

Type of school	All schools number	All schools %	England & Wales etc number	England & Wales etc %	Scotland number	Scotland %
Maintained schools under LA control (community schools, etc)	263	64.5	169	56.5	94	86.2
Maintained schools under governor control (Foundation & VA)	79	19.4	79	26.4	0	0.0
Independent	66	16.2	51	17.1	15	13.8

## Appendix 4 Analysis of circulation to, and responses from, education authorities

**Table 4(a) Numbers sent to education authorities and returned**

<i>Country</i>	<i>Number sent</i>	<i>Numbers returned</i>	<i>% returned</i>
<i>England</i>	554	61	11.0
<i>Wales</i>	56	5	8.9
<i>Northern Ireland</i>	17	0	0.0
<i>Offshore islands</i>	7	0	0.0
<i>Scotland</i>	0	0	0
<i>Total</i>	634	66	10.4

**Table 4(b) Position held by respondent**

<i>Position</i>	<i>Number</i>	<i>%</i>
<i>Science adviser / inspector</i>	40	60.6
<i>Health &amp; safety adviser</i>	22	33.3
<i>KS3 consultant</i>	1	1.5
<i>Other</i>	3	4.6
<i>Total</i>	66	100

**Table 4 (c) Education authorities and local bans**

<i>Bans in addition to national bans</i>	<i>Number</i>	<i>%</i>
<i>No bans (True on questionnaire)</i>	40	60.6
<i>Additional local bans (False on questionnaire)</i>	22	33.3
<i>Don't know</i>	4	6.1

## Appendix 5 Analysis of schools' replies

Table 5(a) All schools: main summary

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	1	0.3%	40	10.2%	282	71.9%	69	17.6%	392
Q2	<i>Keeping giant African land snails</i>	2	0.5%	44	11.5%	282	73.8%	54	14.1%	382
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	0.3%	43	10.9%	76	19.2%	275	69.6%	395
Q4	<i>Using a choice chamber with woodlice</i>	1	0.3%	1	0.3%	41	10.4%	350	89.1%	393
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	6	1.6%	74	19.4%	203	53.3%	98	25.7%	381
Q6	<i>Dissection of eyeballs</i>	14	3.5%	80	20.3%	94	23.8%	207	52.4%	395
Q7	<i>Dissection of hearts</i>	1	0.3%	17	4.3%	23	5.8%	355	89.6%	396
Q8	<i>Dissection of rats</i>	5	1.3%	59	15.5%	209	54.9%	108	28.3%	381
Q9	<i>Pupils taking samples of their own cheek cells</i>	8	2.0%	71	18.0%	86	21.8%	229	58.1%	394
Q10	<i>Pupils using their own saliva in experiments</i>	7	1.8%	120	30.3%	166	41.9%	103	26.0%	396
Q11	<i>Pupils taking samples of their own blood</i>	59	15.1%	216	55.1%	107	27.3%	10	2.6%	392
Q12	<i>Incubating "finger dabs" on agar plates</i>	3	0.8%	55	14.2%	81	20.9%	249	64.2%	388
Q13	<i>Burning peanuts in experiments</i>	7	1.8%	71	17.8%	194	48.6%	127	31.8%	399
Q14	<i>Using spirometers</i>	0	0.0%	4	1.1%	157	42.4%	209	56.5%	370
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	21	5.4%	107	27.3%	264	67.3%	392
Q16	<i>Exploding cans containing methane / air mixtures</i>	3	0.8%	34	8.9%	150	39.4%	194	50.9%	381
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	2	0.5%	23	5.8%	123	30.9%	250	62.8%	398
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	0.3%	22	5.8%	250	66.0%	106	28.0%	379
Q19	<i>Dropping potassium into water</i>	0	0.0%	11	2.7%	3	0.7%	389	96.5%	403
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	3	0.7%	26	6.5%	373	92.8%	402

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	2	0.5%	16	4.1%	85	21.6%	291	73.9%	394
Q22	<i>Use of benzene</i>	194	48.7%	182	45.7%	20	5.0%	2	0.5%	398
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	32	8.4%	200	52.6%	148	38.9%	380
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	2	0.5%	60	15.4%	200	51.4%	127	32.6%	389
Q25	<i>Using bromine in diffusion demonstrations</i>	1	0.3%	22	5.7%	139	35.7%	227	58.4%	389
Q26	<i>Demonstrating ammonium dichromate volcano</i>	5	1.3%	57	14.7%	147	37.8%	180	46.3%	389
Q27	<i>Use of genuine crude oil</i>	145	36.9%	178	45.3%	47	12.0%	23	5.9%	393
Q28	<i>Use of naphthalene (moth balls)</i>	16	4.3%	109	29.1%	201	53.6%	49	13.1%	375
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	4	1.1%	22	5.9%	177	47.7%	168	45.3%	371
Q30	<i>Use of mercury thermometers</i>	1	0.3%	20	5.1%	84	21.4%	288	73.3%	393
Q31	<i>Use of model steam engines</i>	0	0.0%	9	2.3%	77	19.4%	311	78.3%	397
Q32	<i>Use of air rifles in momentum demonstrations</i>	2	0.5%	113	30.1%	211	56.3%	49	13.1%	375
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	0.3%	48	13.3%	236	65.2%	77	21.3%	362
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	3	0.8%	14	3.6%	376	95.7%	393
Q35	<i>Use of stroboscopes</i>	1	0.3%	17	4.5%	117	30.6%	247	64.7%	382
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	0.3%	9	2.3%	379	97.4%	389
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	2	0.5%	21	5.5%	88	23.1%	270	70.9%	381
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	11	3.0%	117	31.6%	136	36.8%	106	28.6%	370
Q39	<i>Demonstrations using sealed radioactive sources</i>	1	0.3%	5	1.3%	59	15.1%	325	83.3%	390
Q40	<i>Demonstrations using protactinium generators</i>	4	1.1%	45	12.3%	215	58.7%	102	27.9%	366

**Table 5(b) UK schools, outside Scotland: main summary**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	0	0.0%	12	4.1%	221	75.9%	58	19.9%	291
Q2	<i>Keeping giant African land snails</i>	0	0.0%	22	7.7%	224	78.0%	41	14.3%	287
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	17	5.8%	49	16.7%	228	77.6%	294
Q4	<i>Using a choice chamber with woodlice</i>	1	0.3%	1	0.3%	35	11.9%	256	87.4%	293
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	0.3%	42	14.6%	162	56.4%	82	28.6%	287
Q6	<i>Dissection of eyeballs</i>	8	2.7%	25	8.5%	72	24.4%	190	64.4%	295
Q7	<i>Dissection of hearts</i>	0	0.0%	1	0.3%	8	2.7%	286	96.9%	295
Q8	<i>Dissection of rats</i>	0	0.0%	20	7.0%	160	56.3%	104	36.6%	284
Q9	<i>Pupils taking samples of their own cheek cells</i>	4	1.4%	43	14.6%	72	24.5%	175	59.5%	294
Q10	<i>Pupils using their own saliva in experiments</i>	1	0.3%	67	22.9%	143	49.0%	81	27.7%	292
Q11	<i>Pupils taking samples of their own blood</i>	42	14.6%	135	47.0%	100	34.8%	10	3.5%	287
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	0.3%	27	9.3%	53	18.3%	209	72.1%	290
Q13	<i>Burning peanuts in experiments</i>	6	2.1%	55	18.9%	155	53.3%	75	25.8%	291
Q14	<i>Using spirometers</i>	0	0.0%	2	0.7%	131	46.0%	152	53.3%	285
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	20	7.0%	105	36.8%	160	56.1%	285
Q16	<i>Exploding cans containing methane / air mixtures</i>	3	1.1%	33	11.9%	122	44.0%	119	43.0%	277
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	2	0.7%	18	6.1%	90	30.7%	183	62.5%	293
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	15	5.4%	180	64.5%	84	30.1%	279
Q19	<i>Dropping potassium into water</i>	0	0.0%	1	0.3%	1	0.3%	296	99.3%	298
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	1	0.3%	17	5.7%	279	93.9%	297

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	3	1.0%	29	9.8%	265	89.2%	297
Q22	<i>Use of benzene</i>	160	54.6%	120	41.0%	12	4.1%	1	0.3%	293
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	16	5.7%	159	56.4%	107	37.9%	282
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	0.3%	28	9.7%	150	51.9%	110	38.1%	289
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	7	2.4%	94	32.1%	192	65.5%	293
Q26	<i>Demonstrating ammonium dichromate volcano</i>	3	1.0%	26	9.0%	112	38.8%	148	51.2%	289
Q27	<i>Use of genuine crude oil</i>	130	45.0%	120	41.5%	33	11.4%	6	2.1%	289
Q28	<i>Use of naphthalene (moth balls)</i>	11	3.9%	69	24.6%	161	57.5%	39	13.9%	280
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	3	1.1%	14	5.0%	138	49.6%	123	44.2%	278
Q30	<i>Use of mercury thermometers</i>	1	0.3%	9	3.1%	62	21.2%	220	75.3%	292
Q31	<i>Use of model steam engines</i>	0	0.0%	4	1.4%	60	20.3%	232	78.4%	296
Q32	<i>Use of air rifles in momentum demonstrations</i>	2	0.7%	75	26.7%	167	59.4%	37	13.2%	281
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	0.4%	29	10.6%	185	67.8%	58	21.2%	273
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	2	0.7%	12	4.1%	280	95.2%	294
Q35	<i>Use of stroboscopes</i>	1	0.3%	9	3.1%	89	30.8%	190	65.7%	289
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	0.3%	2	0.7%	290	99.0%	293
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	0.3%	18	6.3%	80	27.8%	189	65.6%	288
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	6	2.2%	72	25.8%	115	41.2%	86	30.8%	279
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	2	0.7%	23	7.8%	268	91.5%	293
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	20	7.2%	166	60.1%	90	32.6%	276

**Table 5(c) Schools in Scotland: main summary**

A Banned + evidence	B Believed banned no evidence	C-H Not banned but ....	I Sometimes done	Total response
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		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	1	1.0%	28	27.7%	61	60.4%	11	10.9%	101
Q2	<i>Keeping giant African land snails</i>	2	2.1%	22	23.2%	58	61.1%	13	13.7%	95
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	1.0%	26	25.7%	27	26.7%	47	46.5%	101
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	6	6.0%	94	94.0%	100
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	5	5.3%	32	34.0%	41	43.6%	16	17.0%	94
Q6	<i>Dissection of eyeballs</i>	6	6.0%	55	55.0%	22	22.0%	17	17.0%	100
Q7	<i>Dissection of hearts</i>	1	1.0%	16	15.8%	15	14.9%	69	68.3%	101
Q8	<i>Dissection of rats</i>	5	5.2%	39	40.2%	49	50.5%	4	4.1%	97
Q9	<i>Pupils taking samples of their own cheek cells</i>	4	4.0%	28	28.0%	14	14.0%	54	54.0%	100
Q10	<i>Pupils using their own saliva in experiments</i>	6	5.8%	53	51.0%	23	22.1%	22	21.2%	104
Q11	<i>Pupils taking samples of their own blood</i>	17	16.2%	81	77.1%	7	6.7%	0	0.0%	105
Q12	<i>Incubating "finger dabs" on agar plates</i>	2	2.0%	28	28.6%	28	28.6%	40	40.8%	98
Q13	<i>Burning peanuts in experiments</i>	1	0.9%	16	14.8%	39	36.1%	52	48.1%	108
Q14	<i>Using spirometers</i>	0	0.0%	2	2.4%	26	30.6%	57	67.1%	85
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	1	0.9%	2	1.9%	104	97.2%	107
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	1	1.0%	28	26.9%	75	72.1%	104
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	5	4.8%	33	31.4%	67	63.8%	105
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	1.0%	7	7.0%	70	70.0%	22	22.0%	100
Q19	<i>Dropping potassium into water</i>	0	0.0%	10	9.5%	2	1.9%	93	88.6%	105
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	2	1.9%	9	8.6%	94	89.5%	105

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	2	2.1%	13	13.4%	56	57.7%	26	26.8%	97
Q22	<i>Use of benzene</i>	34	32.4%	62	59.0%	8	7.6%	1	1.0%	105
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	16	16.3%	41	41.8%	41	41.8%	98
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	1.0%	32	32.0%	50	50.0%	17	17.0%	100
Q25	<i>Using bromine in diffusion demonstrations</i>	1	1.0%	15	15.6%	45	46.9%	35	36.5%	96
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	2.0%	31	31.0%	35	35.0%	32	32.0%	100
Q27	<i>Use of genuine crude oil</i>	15	14.4%	58	55.8%	14	13.5%	17	16.3%	104
Q28	<i>Use of naphthalene (moth balls)</i>	5	5.3%	40	42.1%	40	42.1%	10	10.5%	95
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	1.1%	8	8.6%	39	41.9%	45	48.4%	93
Q30	<i>Use of mercury thermometers</i>	0	0.0%	11	10.9%	22	21.8%	68	67.3%	101
Q31	<i>Use of model steam engines</i>	0	0.0%	5	5.0%	17	16.8%	79	78.2%	101
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	38	40.4%	44	46.8%	12	12.8%	94
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	19	21.3%	51	57.3%	19	21.3%	89
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	1	1.0%	2	2.0%	96	97.0%	99
Q35	<i>Use of stroboscopes</i>	0	0.0%	8	8.6%	28	30.1%	57	61.3%	93
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	7	7.3%	89	92.7%	96
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	1.1%	3	3.2%	8	8.6%	81	87.1%	93
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	5	5.5%	45	49.5%	21	23.1%	20	22.0%	91
Q39	<i>Demonstrations using sealed radioactive sources</i>	1	1.0%	3	3.1%	36	37.1%	57	58.8%	97
Q40	<i>Demonstrations using protactinium generators</i>	4	4.4%	25	27.8%	49	54.4%	12	13.3%	90

**Table 5(d) All schools: summary of sections C to H (not banned but...)**

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	7	1.8%	8	2.0%	21	5.4%	62	15.8%	14	3.6%	170	43.4%	392
Q2	<i>Keeping giant African land snails</i>	5	1.3%	8	2.1%	10	2.6%	37	9.7%	32	8.4%	190	49.7%	382
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	0.3%	13	3.3%	11	2.8%	15	3.8%	5	1.3%	31	7.8%	395
Q4	<i>Using a choice chamber with woodlice</i>	1	0.0%	0	0.0%	4	1.0%	2	0.5%	0	0.0%	34	8.7%	393
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	3	0.8%	5	1.3%	8	2.1%	16	4.2%	8	2.1%	163	42.8%	381
Q6	<i>Dissection of eyeballs</i>	6	1.5%	9	2.3%	11	2.8%	21	5.3%	5	1.3%	42	10.6%	395
Q7	<i>Dissection of hearts</i>	0	0.0%	1	0.3%	5	1.3%	6	1.5%	2	0.5%	9	2.3%	396
Q8	<i>Dissection of rats</i>	5	1.3%	5	1.3%	14	3.7%	24	6.3%	5	1.3%	156	40.9%	381
Q9	<i>Pupils taking samples of their own cheek cells</i>	15	3.8%	19	4.8%	31	7.9%	2	0.5%	0	0.0%	19	4.8%	394
Q10	<i>Pupils using their own saliva in experiments</i>	11	2.8%	37	9.3%	68	17.2%	3	0.8%	1	0.3%	46	11.6%	396
Q11	<i>Pupils taking samples of their own blood</i>	27	6.9%	27	6.9%	36	9.2%	2	0.5%	2	0.5%	13	3.3%	392

		C		D		E		F		G		H		Total Response
		Not banned but discouraged		Not banned but believed unsafe		Not banned but believed unsafe with own pupils		Not banned but not affordable		Not banned but don't have expertise		Not banned but not relevant		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q12	<i>Incubating "finger dabs" on agar plates</i>	5	1.3%	28	7.2%	22	5.7%	3	0.8%	2	0.5%	21	5.4%	388
Q13	<i>Burning peanuts in experiments</i>	18	4.5%	70	17.5%	93	23.3%	1	0.3%	0	0.0%	12	3.0%	399
Q14	<i>Using spirometers</i>	1	0.3%	10	2.7%	4	1.1%	76	20.5%	8	2.2%	58	15.7%	370
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	1	0.3%	19	4.8%	11	2.8%	2	0.5%	9	2.3%	65	16.6%	392
Q16	<i>Exploding cans containing methane / air mixtures</i>	1	0.3%	47	12.3%	20	5.2%	4	1.0%	9	2.4%	69	18.1%	381
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	3	0.8%	32	8.0%	20	5.0%	19	4.8%	12	3.0%	37	9.3%	398
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	5	1.3%	36	9.5%	30	7.9%	44	11.6%	12	3.2%	123	32.5%	379
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	1	0.2%	1	0.2%	1	0.2%	403
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	9	2.2%	7	1.7%	1	0.2%	0	0.0%	9	2.2%	402
Q21	<i>Demonstrating the thermite reaction</i>	2	0.5%	13	3.3%	15	3.8%	3	0.8%	11	2.8%	41	10.4%	394
Q22	<i>Use of benzene</i>	3	0.8%	5	1.3%	6	1.5%	1	0.3%	1	0.3%	4	1.0%	398
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	4	1.1%	32	8.4%	8	2.1%	5	1.3%	14	3.7%	137	36.1%	380

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	4	1.0%	36	9.3%	29	7.5%	12	3.1%	12	3.1%	107	27.5%	389
Q25	<i>Using bromine in diffusion demonstrations</i>	4	1.0%	38	9.8%	26	6.7%	14	3.6%	6	1.5%	51	13.1%	389
Q26	<i>Demonstrating ammonium dichromate volcano</i>	5	1.3%	27	6.9%	21	5.4%	4	1.0%	8	2.1%	82	21.1%	389
Q27	<i>Use of genuine crude oil</i>	19	4.8%	15	3.8%	6	1.5%	3	0.8%	0	0.0%	4	1.0%	393
Q28	<i>Use of naphthalene (moth balls)</i>	22	5.9%	24	6.4%	30	8.0%	6	1.6%	1	0.3%	118	31.5%	375
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	5	1.3%	31	8.4%	9	2.4%	2	0.5%	11	3.0%	119	32.1%	371
Q30	<i>Use of mercury thermometers</i>	4	1.0%	18	4.6%	57	14.5%	3	0.8%	0	0.0%	2	0.5%	393
Q31	<i>Use of model steam engines</i>	2	0.5%	10	2.5%	10	2.5%	24	6.0%	5	1.3%	26	6.5%	397
Q32	<i>Use of air rifles in momentum demonstrations</i>	7	1.9%	45	12.0%	29	7.7%	50	13.3%	12	3.2%	68	18.1%	375
Q33	<i>Use of starting pistol in speed of sound experiments</i>	2	0.6%	22	6.1%	22	6.1%	92	25.4%	8	2.2%	90	24.9%	362
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	3	0.8%	8	2.0%	1	0.3%	0	0.0%	2	0.5%	393

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q35	<i>Use of stroboscopes</i>	1	0.3%	14	3.7%	14	3.7%	25	6.5%	0	0.0%	63	16.5%	382
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	0.3%	1	0.3%	0	0.0%	0	0.0%	7	1.8%	389
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	9	2.4%	7	1.8%	21	5.5%	4	1.0%	47	12.3%	381
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	1	0.3%	36	9.7%	19	5.1%	19	5.1%	13	3.5%	48	13.0%	370
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	3	0.8%	5	1.3%	38	9.7%	4	1.0%	9	2.3%	390
Q40	<i>Demonstrations using protactinium generators</i>	2	0.5%	10	2.7%	11	3.0%	96	26.2%	13	3.6%	83	22.7%	366

**Table 5(e) UK schools outside Scotland: summary of sections C to H (not banned but...)**

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	6	2.1%	3	1.0%	18	6.2%	44	15.1%	11	3.8%	139	47.8%	291
Q2	<i>Keeping giant African land snails</i>	4	1.4%	5	1.7%	10	3.5%	32	11.1%	22	7.7%	151	52.6%	287
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	0.3%	8	2.7%	4	1.4%	13	4.4%	2	0.7%	21	7.1%	294
Q4	<i>Using a choice chamber with woodlice</i>	1	0.3%	0	0.0%	4	1.4%	2	0.7%	0	0.0%	28	9.6%	293
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	0.3%	4	1.4%	8	2.8%	14	4.9%	5	1.7%	130	45.3%	287
Q6	<i>Dissection of eyeballs</i>	5	1.7%	6	2.0%	8	2.7%	19	6.4%	2	0.7%	32	10.8%	295
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	2	0.7%	4	1.4%	0	0.0%	2	0.7%	295
Q8	<i>Dissection of rats</i>	5	1.8%	4	1.4%	13	4.6%	16	5.6%	3	1.1%	119	41.9%	284
Q9	<i>Pupils taking samples of their own cheek cells</i>	15	5.1%	12	4.1%	27	9.2%	1	0.3%	0	0.0%	17	5.8%	294
Q10	<i>Pupils using their own saliva in experiments</i>	11	3.8%	30	10.3%	58	19.9%	2	0.7%	1	0.3%	41	14.0%	292
Q11	<i>Pupils taking samples of their own blood</i>	26	9.1%	24	8.4%	34	11.8%	1	0.3%	2	0.7%	13	4.5%	287

		C		D		E		F		G		H		Total Response
		No	%	No	%	No	%	No	%	No	%	No	%	
Q12	<i>Incubating "finger dabs" on agar plates</i>	4	1.4%	18	6.2%	16	5.5%	1	0.3%	1	0.3%	13	4.5%	290
Q13	<i>Burning peanuts in experiments</i>	17	5.8%	58	19.9%	69	23.7%	0	0.0%	0	0.0%	11	3.8%	291
Q14	<i>Using spirometers</i>	1	0.4%	7	2.5%	3	1.1%	64	22.5%	5	1.8%	51	17.9%	285
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	1	0.4%	18	6.3%	11	3.9%	2	0.7%	9	3.2%	64	22.5%	285
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	40	14.4%	16	5.8%	3	1.1%	7	2.5%	56	20.2%	277
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	2	0.7%	30	10.2%	11	3.8%	9	3.1%	8	2.7%	30	10.2%	293
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	5	1.8%	28	10.0%	19	6.8%	31	11.1%	9	3.2%	88	31.5%	279
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	0.3%	298
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	5	1.7%	5	1.7%	1	0.3%	0	0.0%	6	2.0%	297
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	5	1.7%	6	2.0%	1	0.3%	7	2.4%	10	3.4%	297
Q22	<i>Use of benzene</i>	3	1.0%	3	1.0%	1	0.3%	0	0.0%	1	0.3%	4	1.4%	293
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	2	0.7%	26	9.2%	6	2.1%	3	1.1%	11	3.9%	111	39.4%	282

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	2	0.7%	29	10.0%	20	6.9%	12	4.2%	7	2.4%	80	27.7%	289
Q25	<i>Using bromine in diffusion demonstrations</i>	4	1.4%	25	8.5%	14	4.8%	13	4.4%	4	1.4%	34	11.6%	293
Q26	<i>Demonstrating ammonium dichromate volcano</i>	4	1.4%	18	6.2%	17	5.9%	4	1.4%	4	1.4%	65	22.5%	289
Q27	<i>Use of genuine crude oil</i>	17	5.9%	11	3.8%	1	0.3%	1	0.3%	0	0.0%	3	1.0%	289
Q28	<i>Use of naphthalene (moth balls)</i>	19	6.8%	22	7.9%	28	10.0%	5	1.8%	1	0.4%	86	30.7%	280
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	5	1.8%	24	8.6%	6	2.2%	2	0.7%	9	3.2%	92	33.1%	278
Q30	<i>Use of mercury thermometers</i>	3	1.0%	12	4.1%	43	14.7%	3	1.0%	0	0.0%	1	0.3%	292
Q31	<i>Use of model steam engines</i>	1	0.3%	6	2.0%	6	2.0%	22	7.4%	4	1.4%	21	7.1%	296
Q32	<i>Use of air rifles in momentum demonstrations</i>	5	1.8%	35	12.5%	19	6.8%	43	15.3%	10	3.6%	55	19.6%	281
Q33	<i>Use of starting pistol in speed of sound experiments</i>	2	0.7%	14	5.1%	17	6.2%	73	26.7%	7	2.6%	72	26.4%	273
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	3	1.0%	8	2.7%	0	0.0%	0	0.0%	1	0.3%	294

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q35	<i>Use of stroboscopes</i>	1	0.3%	10	3.5%	9	3.1%	24	8.3%	0	0.0%	45	15.6%	289
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	1	0.3%	0	0.0%	0	0.0%	1	0.3%	293
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	8	2.8%	5	1.7%	20	6.9%	4	1.4%	43	14.9%	288
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	1	0.4%	32	11.5%	14	5.0%	15	5.4%	12	4.3%	41	14.7%	279
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	0.3%	1	0.3%	13	4.4%	4	1.4%	4	1.4%	293
Q40	<i>Demonstrations using protactinium generators</i>	1	0.4%	6	2.2%	7	2.5%	70	25.4%	10	3.6%	72	26.1%	276

**Table 5(f) Schools in Scotland: summary of sections C to H (not banned but...)**

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	1	1.0%	5	5.0%	3	3.0%	18	17.8%	3	3.0%	31	30.7%	101
Q2	<i>Keeping giant African land snails</i>	1	1.1%	3	3.2%	0	0.0%	5	5.3%	10	10.5%	39	41.1%	95
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	5	5.0%	7	6.9%	2	2.0%	3	3.0%	10	9.9%	101
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6	6.0%	100
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	2	2.1%	1	1.1%	0	0.0%	2	2.1%	3	3.2%	33	35.1%	94
Q6	<i>Dissection of eyeballs</i>	1	1.0%	3	3.0%	3	3.0%	2	2.0%	3	3.0%	10	10.0%	100
Q7	<i>Dissection of hearts</i>	0	0.0%	1	1.0%	3	3.0%	2	2.0%	2	2.0%	7	6.9%	101
Q8	<i>Dissection of rats</i>	0	0.0%	1	1.0%	1	1.0%	8	8.2%	2	2.1%	37	38.1%	97
Q9	<i>Pupils taking samples of their own cheek cells</i>	0	0.0%	7	7.0%	4	4.0%	1	1.0%	0	0.0%	2	2.0%	100
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	7	6.7%	10	9.6%	1	1.0%	0	0.0%	5	4.8%	104
Q11	<i>Pupils taking samples of their own blood</i>	1	1.0%	3	2.9%	2	1.9%	1	1.0%	0	0.0%	0	0.0%	105

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	1.0%	10	10.2%	6	6.1%	2	2.0%	1	1.0%	8	8.2%	98
Q13	<i>Burning peanuts in experiments</i>	1	0.9%	12	11.1%	24	22.2%	1	0.9%	0	0.0%	1	0.9%	108
Q14	<i>Using spirometers</i>	0	0.0%	3	3.5%	1	1.2%	12	14.1%	3	3.5%	7	8.2%	85
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	1	0.9%	0	0.0%	0	0.0%	0	0.0%	1	0.9%	107
Q16	<i>Exploding cans containing methane / air mixtures</i>	1	1.0%	7	6.7%	4	3.8%	1	1.0%	2	1.9%	13	12.5%	104
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	1	1.0%	2	1.9%	9	8.6%	10	9.5%	4	3.8%	7	6.7%	105
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	8	8.0%	11	11.0%	13	13.0%	3	3.0%	35	35.0%	100
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	1	1.0%	1	1.0%	0	0.0%	105
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	4	3.8%	2	1.9%	0	0.0%	0	0.0%	3	2.9%	105
Q21	<i>Demonstrating the thermite reaction</i>	2	2.1%	8	8.2%	9	9.3%	2	2.1%	4	4.1%	31	32.0%	97
Q22	<i>Use of benzene</i>	0	0.0%	2	1.9%	5	4.8%	1	1.0%	0	0.0%	0	0.0%	105
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	2	2.0%	6	6.1%	2	2.0%	2	2.0%	3	3.1%	26	26.5%	98

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	2	2.0%	7	7.0%	9	9.0%	0	0.0%	5	5.0%	27	27.0%	100
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	13	13.5%	12	12.5%	1	1.0%	2	2.1%	17	17.7%	96
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	1.0%	9	9.0%	4	4.0%	0	0.0%	4	4.0%	17	17.0%	100
Q27	<i>Use of genuine crude oil</i>	2	1.9%	4	3.8%	5	4.8%	2	1.9%	0	0.0%	1	1.0%	104
Q28	<i>Use of naphthalene (moth balls)</i>	3	3.2%	2	2.1%	2	2.1%	1	1.1%	0	0.0%	32	33.7%	95
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	7	7.5%	3	3.2%	0	0.0%	2	2.2%	27	29.0%	93
Q30	<i>Use of mercury thermometers</i>	1	1.0%	6	5.9%	14	13.9%	0	0.0%	0	0.0%	1	1.0%	101
Q31	<i>Use of model steam engines</i>	1	1.0%	4	4.0%	4	4.0%	2	2.0%	1	1.0%	5	5.0%	101
Q32	<i>Use of air rifles in momentum demonstrations</i>	2	2.1%	10	10.6%	10	10.6%	7	7.4%	2	2.1%	13	13.8%	94
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	8	9.0%	5	5.6%	19	21.3%	1	1.1%	18	20.2%	89
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	0	0.0%	1	1.0%	0	0.0%	1	1.0%	99

		<i>C</i>		<i>D</i>		<i>E</i>		<i>F</i>		<i>G</i>		<i>H</i>		<i>Total Response</i>
		<i>Not banned but discouraged</i>		<i>Not banned but believed unsafe</i>		<i>Not banned but believed unsafe with own pupils</i>		<i>Not banned but not affordable</i>		<i>Not banned but don't have expertise</i>		<i>Not banned but not relevant</i>		
		No	%	No	%	No	%	No	%	No	%	No	%	No
Q35	<i>Use of stroboscopes</i>	0	0.0%	4	4.3%	5	5.4%	1	1.1%	0	0.0%	18	19.4%	93
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	1.0%	0	0.0%	0	0.0%	0	0.0%	6	6.3%	96
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	1	1.1%	2	2.2%	1	1.1%	0	0.0%	4	4.3%	93
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	4	4.4%	5	5.5%	4	4.4%	1	1.1%	7	7.7%	91
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	2	2.1%	4	4.1%	25	25.8%	0	0.0%	5	5.2%	97
Q40	<i>Demonstrations using protactinium generators</i>	1	1.1%	4	4.4%	4	4.4%	26	28.9%	3	3.3%	11	12.2%	90

## Appendix 6 Age range of schools

Table 6(a) All UK schools with sixth form

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	0	0.0%	34	11.7%	203	70.0%	53	18.3%	290
Q2	<i>Keeping giant African land snails</i>	2	0.7%	35	12.5%	203	72.2%	41	14.6%	281
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	0.3%	34	11.6%	56	19.1%	202	68.9%	293
Q4	<i>Using a choice chamber with woodlice</i>	1	0.3%	1	0.3%	29	10.0%	260	89.3%	291
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	5	1.8%	53	19.1%	151	54.3%	69	24.8%	278
Q6	<i>Dissection of eyeballs</i>	7	2.4%	71	24.1%	70	23.8%	146	49.7%	294
Q7	<i>Dissection of hearts</i>	1	0.3%	17	5.8%	17	5.8%	259	88.1%	294
Q8	<i>Dissection of rats</i>	5	1.8%	48	16.9%	135	47.5%	96	33.8%	284
Q9	<i>Pupils taking samples of their own cheek cells</i>	4	1.4%	56	19.1%	58	19.8%	175	59.7%	293
Q10	<i>Pupils using their own saliva in experiments</i>	4	1.4%	97	32.8%	120	40.5%	75	25.3%	296
Q11	<i>Pupils taking samples of their own blood</i>	45	15.3%	167	56.6%	76	25.8%	7	2.4%	295
Q12	<i>Incubating "finger dabs" on agar plates</i>	2	0.7%	44	15.3%	66	23.0%	175	61.0%	287
Q13	<i>Burning peanuts in experiments</i>	5	1.7%	50	16.8%	147	49.5%	95	32.0%	297
Q14	<i>Using spirometers</i>	0	0.0%	4	1.5%	97	35.5%	172	63.0%	273
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	14	4.8%	78	26.7%	200	68.5%	292
Q16	<i>Exploding cans containing methane / air mixtures</i>	3	1.0%	20	7.0%	108	37.8%	155	54.2%	286
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	14	4.7%	88	29.5%	196	65.8%	298
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	0.4%	14	4.9%	179	62.8%	91	31.9%	285
Q19	<i>Dropping potassium into water</i>	0	0.0%	9	3.0%	2	0.7%	289	96.3%	300
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	3	1.0%	21	7.0%	276	92.0%	300

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	2	0.7%	14	4.8%	69	23.6%	207	70.9%	292
Q22	<i>Use of benzene</i>	148	50.0%	134	45.3%	12	4.1%	2	0.7%	296
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	22	7.7%	133	46.7%	130	45.6%	285
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	0.3%	45	15.6%	147	50.9%	96	33.2%	289
Q25	<i>Using bromine in diffusion demonstrations</i>	1	0.3%	18	6.3%	93	32.4%	175	61.0%	287
Q26	<i>Demonstrating ammonium dichromate volcano</i>	3	1.0%	42	14.5%	100	34.5%	145	50.0%	290
Q27	<i>Use of genuine crude oil</i>	106	36.3%	128	43.8%	37	12.7%	21	7.2%	292
Q28	<i>Use of naphthalene (moth balls)</i>	11	3.9%	79	28.1%	156	55.5%	35	12.5%	281
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	0.7%	16	5.8%	120	43.2%	140	50.4%	278
Q30	<i>Use of mercury thermometers</i>	0	0.0%	12	4.1%	47	16.0%	234	79.9%	293
Q31	<i>Use of model steam engines</i>	0	0.0%	7	2.4%	57	19.4%	230	78.2%	294
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	86	31.3%	145	52.7%	44	16.0%	275
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	39	14.8%	173	65.5%	52	19.7%	264
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	2	0.7%	10	3.4%	279	95.9%	291
Q35	<i>Use of stroboscopes</i>	0	0.0%	11	3.9%	66	23.4%	205	72.7%	282
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	0.3%	9	3.1%	276	96.5%	286
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	0.4%	13	4.6%	37	13.1%	232	82.0%	283
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	7	2.6%	91	33.2%	96	35.0%	80	29.2%	274
Q39	<i>Demonstrations using sealed radioactive sources</i>	1	0.3%	3	1.0%	40	13.9%	244	84.7%	288
Q40	<i>Demonstrations using protactinium generators</i>	4	1.5%	34	12.4%	145	52.9%	91	33.2%	274

**Table 6(b) All UK schools – without sixth form**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	1	1.0%	6	5.9%	79	77.5%	16	15.7%	102
Q2	<i>Keeping giant African land snails</i>	0	0.0%	9	8.9%	79	78.2%	13	12.9%	101
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	9	8.8%	20	19.6%	73	71.6%	102
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	12	11.8%	90	88.2%	102
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	1.0%	21	20.4%	52	50.5%	29	28.2%	103
Q6	<i>Dissection of eyeballs</i>	7	6.9%	9	8.9%	24	23.8%	61	60.4%	101
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	6	5.9%	96	94.1%	102
Q8	<i>Dissection of rats</i>	0	0.0%	11	11.3%	74	76.3%	12	12.4%	97
Q9	<i>Pupils taking samples of their own cheek cells</i>	4	4.0%	15	14.9%	28	27.7%	54	53.5%	101
Q10	<i>Pupils using their own saliva in experiments</i>	3	3.0%	23	23.0%	46	46.0%	28	28.0%	100
Q11	<i>Pupils taking samples of their own blood</i>	14	14.4%	49	50.5%	31	32.0%	3	3.1%	97
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	1.0%	11	10.9%	15	14.9%	74	73.3%	101
Q13	<i>Burning peanuts in experiments</i>	2	2.0%	21	20.6%	47	46.1%	32	31.4%	102
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	60	61.9%	37	38.1%	97
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	7	7.0%	29	29.0%	64	64.0%	100
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	14	14.7%	42	44.2%	39	41.1%	95
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	2	2.0%	9	9.0%	35	35.0%	54	54.0%	100
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	8	8.5%	71	75.5%	15	16.0%	94
Q19	<i>Dropping potassium into water</i>	0	0.0%	2	1.9%	1	1.0%	100	97.1%	103
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	5	4.9%	97	95.1%	102

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	2	2.0%	16	15.7%	84	82.4%	102
Q22	<i>Use of benzene</i>	46	45.1%	48	47.1%	8	7.8%	0	0.0%	102
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	10	10.5%	67	70.5%	18	18.9%	95
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	1.0%	15	15.0%	53	53.0%	31	31.0%	100
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	4	3.9%	46	45.1%	52	51.0%	102
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	2.0%	15	15.2%	47	47.5%	35	35.4%	99
Q27	<i>Use of genuine crude oil</i>	39	38.6%	50	49.5%	10	9.9%	2	2.0%	101
Q28	<i>Use of naphthalene (moth balls)</i>	5	5.3%	30	31.9%	45	47.9%	14	14.9%	94
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	2.2%	6	6.5%	57	61.3%	28	30.1%	93
Q30	<i>Use of mercury thermometers</i>	1	1.0%	8	8.0%	37	37.0%	54	54.0%	100
Q31	<i>Use of model steam engines</i>	0	0.0%	2	1.9%	20	19.4%	81	78.6%	103
Q32	<i>Use of air rifles in momentum demonstrations</i>	2	2.0%	27	27.0%	66	66.0%	5	5.0%	100
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	1.0%	9	9.2%	63	64.3%	25	25.5%	98
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	1	1.0%	4	3.9%	97	95.1%	102
Q35	<i>Use of stroboscopes</i>	1	1.0%	6	6.0%	51	51.0%	42	42.0%	100
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	0	0.0%	103	100.0%	103
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	1.0%	8	8.2%	51	52.0%	38	38.8%	98
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	4	4.2%	26	27.1%	40	41.7%	26	27.1%	96
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	2	2.0%	19	18.6%	81	79.4%	102
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	11	12.0%	70	76.1%	11	12.0%	92

**Table 6(c) UK schools outside Scotland – with sixth form**

		A		B		C-H		I		Total response
		Banned + evidence		Believe banned no evidence		Not banned but....		Sometimes done		
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	0	0.0%	8	4.0%	148	74.8%	42	21.2%	198
Q2	<i>Keeping giant African land snails</i>	0	0.0%	14	7.2%	151	77.4%	30	15.4%	195
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	9	4.5%	33	16.3%	160	79.2%	202
Q4	<i>Using a choice chamber with woodlice</i>	1	0.5%	1	0.5%	23	11.5%	175	87.5%	200
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	0.5%	23	11.9%	113	58.3%	57	29.4%	194
Q6	<i>Dissection of eyeballs</i>	3	1.5%	18	8.9%	50	24.6%	132	65.0%	203
Q7	<i>Dissection of hearts</i>	0	0.0%	1	0.5%	4	2.0%	198	97.5%	203
Q8	<i>Dissection of rats</i>	0	0.0%	10	5.1%	94	47.96%	92	46.9%	196
Q9	<i>Pupils taking samples of their own cheek cells</i>	0	0.0%	28	13.9%	44	21.9%	129	64.2%	201
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	46	22.9%	99	49.3%	56	27.9%	201
Q11	<i>Pupils taking samples of their own blood</i>	30	15.0%	93	46.5%	70	35.0%	7	3.5%	200
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	17	8.5%	42	21.1%	140	70.4%	199
Q13	<i>Burning peanuts in experiments</i>	4	2.0%	35	17.6%	109	54.8%	51	25.6%	199
Q14	<i>Using spirometers</i>	0	0.0%	2	1.0%	75	38.3%	119	60.7%	196
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	13	6.7%	76	39.0%	106	54.4%	195
Q16	<i>Exploding cans containing methane / air mixtures</i>	3	1.6%	19	9.9%	85	44.3%	85	44.3%	192
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	9	4.5%	58	28.7%	135	66.8%	202
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	8	4.1%	115	59.3%	71	36.6%	194
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	205	100.0%	205
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	1	0.5%	13	6.3%	191	93.2%	205

		A		B		C-H		I		Total response
		Banned + evidence		Believe banned no evidence		Not banned but....		Sometimes done		
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	3	1.5%	19	9.3%	183	89.3%	205
Q22	<i>Use of benzene</i>	114	56.7%	80	39.8%	6	3.0%	1	0.5%	201
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	7	3.6%	99	50.5%	90	45.9%	196
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	15	7.5%	104	52.3%	80	40.2%	199
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	3	1.5%	54	27.0%	143	71.5%	200
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	0.5%	14	7.0%	71	35.5%	114	57.0%	200
Q27	<i>Use of genuine crude oil</i>	91	46.0%	76	38.4%	25	12.6%	6	3.0%	198
Q28	<i>Use of naphthalene (moth balls)</i>	6	3.1%	42	21.8%	120	62.2%	25	13.0%	193
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	0.5%	8	4.2%	88	45.8%	95	49.5%	192
Q30	<i>Use of mercury thermometers</i>	0	0.0%	1	0.5%	29	14.4%	171	85.1%	201
Q31	<i>Use of model steam engines</i>	0	0.0%	2	1.0%	41	20.2%	160	78.8%	203
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	49	25.7%	108	56.5%	34	17.8%	191
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	20	10.8%	127	68.7%	38	20.5%	185
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	2	1.0%	9	4.5%	191	94.6%	202
Q35	<i>Use of stroboscopes</i>	0	0.0%	3	1.5%	41	20.7%	154	77.8%	198
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	0.5%	2	1.0%	197	98.5%	200
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	10	5.0%	32	16.0%	158	79.0%	200
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	2	1.0%	52	26.9%	78	40.4%	61	31.6%	193
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	8	4.0%	192	96.0%	200
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	13	6.8%	100	52.1%	79	41.2%	192

**Table 6(d) UK schools outside Scotland without sixth form**

		A		B		C-H		I		Total response
		Banned + evidence		Believe banned no evidence		Not banned but....		Sometimes done		
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	0	0.0%	4	4.3%	73	78.5%	16	17.2%	93
Q2	<i>Keeping giant African land snails</i>	0	0.0%	8	8.7%	73	79.4%	11	12.0%	92
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	8	8.7%	16	17.4%	68	73.9%	92
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	12	12.9%	81	87.1%	93
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	19	20.4%	49	52.7%	25	26.9%	93
Q6	<i>Dissection of eyeballs</i>	5	5.4%	7	7.6%	22	23.9%	58	63.0%	92
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	4	4.4%	88	95.7%	92
Q8	<i>Dissection of rats</i>	0	0.0%	10	11.4%	66	75.0%	12	13.6%	88
Q9	<i>Pupils taking samples of their own cheek cells</i>	4	4.3%	15	16.1%	28	30.1%	46	49.5%	93
Q10	<i>Pupils using their own saliva in experiments</i>	1	1.1%	21	23.1%	44	48.4%	25	27.5%	91
Q11	<i>Pupils taking samples of their own blood</i>	12	13.8%	42	48.3%	30	34.5%	3	3.5%	87
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	1.1%	10	11.0%	11	12.1%	69	75.8%	91
Q13	<i>Burning peanuts in experiments</i>	2	2.2%	20	21.7%	46	50.0%	24	26.1%	92
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	56	62.9%	33	37.1%	89
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	7	7.8%	29	32.2%	54	60.0%	90
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	14	16.5%	37	43.5%	34	40.0%	85
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	2	2.2%	9	9.9%	32	35.2%	48	52.8%	91
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	7	8.2%	65	76.5%	13	15.3%	85
Q19	<i>Dropping potassium into water</i>	0	0.0%	1	1.1%	1	1.1%	91	97.9%	93
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	4	4.4%	88	95.7%	92

		A		B		C-H		I		Total
		Banned + evidence		Believe banned no evidence		Not banned but....		Sometimes done		response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	10	10.9%	82	89.1%	92
Q22	<i>Use of benzene</i>	46	50.0%	40	43.5%	6	6.5%	0	0.0%	92
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	9	10.5%	60	69.8%	17	19.8%	86
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	1.1%	13	14.4%	46	51.1%	30	33.3%	90
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	4	4.3%	40	43.0%	49	52.7%	93
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	2.3%	12	13.5%	41	46.1%	34	38.2%	89
Q27	<i>Use of genuine crude oil</i>	39	42.9%	44	48.4%	8	8.8%	0	0.0%	91
Q28	<i>Use of naphthalene (moth balls)</i>	5	5.8%	27	31.0%	41	47.1%	14	16.1%	87
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	2.3%	6	7.0%	50	58.1%	28	32.6%	86
Q30	<i>Use of mercury thermometers</i>	1	1.1%	8	8.8%	33	36.3%	49	53.9%	91
Q31	<i>Use of model steam engines</i>	0	0.0%	2	2.2%	19	20.4%	72	77.4%	93
Q32	<i>Use of air rifles in momentum demonstrations</i>	2	2.2%	26	28.9%	59	65.6%	3	3.3%	90
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	1.1%	9	10.2%	58	65.9%	20	22.7%	88
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	3	3.3%	89	96.7%	92
Q35	<i>Use of stroboscopes</i>	1	1.1%	6	6.6%	48	52.8%	36	39.6%	91
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	0	0.0%	93	100.0%	93
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	1.1%	8	9.1%	48	54.6%	31	35.2%	88
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	4	4.7%	20	23.3%	37	43.0%	25	29.1%	86
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	2	2.2%	15	16.1%	76	81.7%	93
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	7	8.3%	66	78.6%	11	13.1%	84

**Table 6(e) Schools in Scotland – with sixth form**

		A Banned + evidence		B Believe banned no evidence		C-H Not banned but....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	0	0.0%	26	28.3%	55	59.8%	11	12.0%	92
Q2	<i>Keeping giant African land snails</i>	2	2.3%	21	24.4%	52	60.5%	11	12.8%	86
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	1.1%	25	27.5%	23	25.3%	42	46.2%	91
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	6	6.6%	85	93.4%	91
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	4	4.8%	30	35.7%	38	45.2%	12	14.3%	84
Q6	<i>Dissection of eyeballs</i>	4	4.4%	53	58.2%	20	22.0%	14	15.4%	91
Q7	<i>Dissection of hearts</i>	1	1.1%	16	17.6%	13	14.3%	61	67.0%	91
Q8	<i>Dissection of rats</i>	5	5.7%	38	43.2%	41	46.6%	4	4.6%	88
Q9	<i>Pupils taking samples of their own cheek cells</i>	4	4.4%	28	30.4%	14	15.2%	46	50.0%	92
Q10	<i>Pupils using their own saliva in experiments</i>	4	4.2%	51	53.7%	21	22.1%	19	20.0%	95
Q11	<i>Pupils taking samples of their own blood</i>	15	15.8%	74	77.9%	6	6.3%	0	0.0%	95
Q12	<i>Incubating "finger dabs" on agar plates</i>	2	2.3%	27	30.7%	24	27.3%	35	39.8%	88
Q13	<i>Burning peanuts in experiments</i>	1	1.0%	15	15.3%	38	38.8%	44	44.9%	98
Q14	<i>Using spirometers</i>	0	0.0%	2	2.6%	22	28.6%	53	68.8%	77
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.00%	1	1.0%	2	2.1%	94	96.9%	97
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	1	1.1%	23	24.5%	70	74.5%	94
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	5	5.2%	30	31.3%	61	63.5%	96
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	1.1%	6	6.6%	64	70.3%	20	22.0%	91
Q19	<i>Dropping potassium into water</i>	0	0.0%	9	9.5%	2	2.1%	84	88.4%	95
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	2	2.1%	8	8.4%	85	89.5%	95

		A		B		C-H		I		Total
		Banned + evidence		Believe banned no evidence		Not banned but....		Sometimes done		response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	2	2.3%	11	12.6%	50	57.5%	24	27.6%	87
Q22	<i>Use of benzene</i>	34	35.8%	54	56.8%	6	6.3%	1	1.1%	95
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	15	16.9%	34	38.2%	40	44.9%	89
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	1.1%	30	33.3%	43	47.8%	16	17.8%	90
Q25	<i>Using bromine in diffusion demonstrations</i>	1	1.2%	15	17.2%	39	44.8%	32	36.8%	87
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	2.2%	28	31.1%	29	32.2%	31	34.4%	90
Q27	<i>Use of genuine crude oil</i>	15	16.0%	52	55.3%	12	12.8%	15	16.0%	94
Q28	<i>Use of naphthalene (moth balls)</i>	5	5.7%	37	42.1%	36	40.9%	10	11.4%	88
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	1.2%	8	9.3%	32	37.2%	45	52.3%	86
Q30	<i>Use of mercury thermometers</i>	0	0.0%	11	12.0%	18	19.6%	63	68.5%	92
Q31	<i>Use of model steam engines</i>	0	0.0%	5	5.5%	16	17.6%	70	76.9%	91
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	37	44.1%	37	44.1%	10	11.9%	84
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	19	24.1%	46	58.2%	14	17.7%	79
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	1	1.1%	88	98.9%	89
Q35	<i>Use of stroboscopes</i>	0	0.0%	8	9.5%	25	29.8%	51	60.7%	84
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	7	8.1%	79	91.9%	86
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	1.2%	3	3.6%	5	6.0%	74	89.2%	83
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	5	6.2%	39	48.2%	18	22.2%	19	23.5%	81
Q39	<i>Demonstrations using sealed radioactive sources</i>	1	1.1%	3	3.4%	32	36.4%	52	59.1%	88
Q40	<i>Demonstrations using protactinium generators</i>	4	4.9%	21	25.6%	45	54.9%	12	14.6%	82

**Table 6(f) Schools in Scotland – without sixth form**

		A Banned + evidence		B Believe banned no evidence		C-H Not banned but....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	1	11.1%	2	22.2%	6	66.7%	0	0.0%	9
Q2	<i>Keeping giant African land snails</i>	0	0.0%	1	11.1%	6	66.7%	2	22.2%	9
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	1	10.0%	4	40.0%	5	50.0%	10
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	0	0.0%	9	100.0%	9
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	10.0%	2	20.0%	3	30.0%	4	40.0%	10
Q6	<i>Dissection of eyeballs</i>	2	22.2%	2	22.2%	2	22.2%	3	33.3%	9
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	2	20.0%	8	80.0%	10
Q8	<i>Dissection of rats</i>	0	0.0%	1	11.1%	8	88.9%	0	0.0%	9
Q9	<i>Pupils taking samples of their own cheek cells</i>	0	0.0%	0	0.0%	0	0.0%	8	100.0%	8
Q10	<i>Pupils using their own saliva in experiments</i>	2	22.2%	2	22.2%	2	22.2%	3	33.3%	9
Q11	<i>Pupils taking samples of their own blood</i>	2	20.0%	7	70.0%	1	10.0%	0	0.0%	10
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	1	10.0%	4	40.0%	5	50.0%	10
Q13	<i>Burning peanuts in experiments</i>	0	0.0%	1	10.0%	1	10.0%	8	80.0%	10
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	4	50.0%	4	50.0%	8
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	0	0.0%	0	0.0%	10	100.0%	10
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	0	0.0%	5	50.0%	5	50.0%	10
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	0	0.0%	3	33.3%	6	66.7%	9
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	1	11.1%	6	66.7%	2	22.2%	9
Q19	<i>Dropping potassium into water</i>	0	0.0%	1	10.0%	0	0.0%	9	90.0%	10
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	1	10.0%	9	90.0%	10

		A		B		C-H		I		Total response
		Banned + evidence		Believe banned no evidence		Not banned but....		Sometimes done		
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	2	20.0%	6	60.0%	2	20.0%	10
Q22	<i>Use of benzene</i>	0	0.0%	8	80.0%	2	20.0%	0	0.0%	10
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	1	11.1%	7	77.8%	1	11.1%	9
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	2	20.0%	7	70.0%	1	10.0%	10
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	6	66.7%	3	33.3%	9
Q26	<i>Demonstrating ammonium dichromate volcano</i>	0	0.0%	3	30.0%	6	60.0%	1	10.0%	10
Q27	<i>Use of genuine crude oil</i>	0	0.0%	6	60.0%	2	20.0%	2	20.0%	10
Q28	<i>Use of naphthalene (moth balls)</i>	0	0.0%	3	42.9%	4	57.1%	0	0.0%	7
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	0	0.0%	7	100.0%	0	0.0%	7
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	4	44.4%	5	55.6%	9
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	1	10.0%	9	90.0%	10
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	1	10.0%	7	70.0%	2	20.0%	10
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	0	0.0%	5	50.0%	5	50.0%	10
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	1	10.0%	1	10.0%	8	80.0%	10
Q35	<i>Use of stroboscopes</i>	0	0.0%	0	0.0%	3	30.0%	6	60.0%	10
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	0	0.0%	10	100.0%	10
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	0	0.0%	3	30.0%	7	70.0%	10
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	6	60.0%	3	30.0%	1	10.0%	10
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	4	44.4%	5	55.6%	9
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	4	50.0%	4	50.0%	0	0.0%	8

## Appendix 7 Status of schools

**Table 7(a) All maintained schools where local authority is employer (Community & Voluntary Controlled Schools in England and Wales)**

		A <i>Banned + evidence</i>		B <i>Believe banned no evidence</i>		C-H <i>Not banned but....</i>		I <i>Sometimes done</i>		Total <i>response</i>
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	1	0.4%	35	13.3%	172	65.4%	44	16.7%	252
Q2	<i>Keeping giant African land snails</i>	2	0.8%	34	12.9%	177	67.3%	32	12.2%	245
Q3	<i>Inflating a sheep's lung (eg. with bellows)</i>	1	0.4%	35	13.3%	53	20.2%	166	63.1%	255
Q4	<i>Using a choice chamber with woodlice</i>	1	0.4%	1	0.4%	28	10.7%	223	84.8%	253
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	5	1.9%	59	22.4%	133	50.6%	50	19.0%	247
Q6	<i>Dissection of eyeballs</i>	10	3.8%	66	25.1%	67	25.5%	111	42.2%	254
Q7	<i>Dissection of hearts</i>	1	0.4%	16	6.1%	16	6.1%	222	84.4%	255
Q8	<i>Dissection of rats</i>	4	1.5%	55	20.9%	137	52.1%	48	18.3%	244
Q9	<i>Pupils taking samples of their own cheek cells</i>	7	2.7%	54	20.5%	56	21.3%	138	52.5%	255
Q10	<i>Pupils using their own saliva in experiments</i>	6	2.3%	92	35.0%	96	36.5%	61	23.2%	255
Q11	<i>Pupils taking samples of their own blood</i>	36	13.7%	160	60.8%	56	21.3%	5	1.9%	257
Q12	<i>Incubating "finger dabs" on agar plates</i>	3	1.1%	42	16.0%	52	19.8%	154	58.6%	251
Q13	<i>Burning peanuts in experiments</i>	6	2.3%	52	19.8%	115	43.7%	85	32.3%	258
Q14	<i>Using spirometers</i>	0	0.0%	1	0.4%	104	39.5%	127	48.3%	232
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	12	4.6%	49	18.6%	193	73.4%	254
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	21	8.0%	88	33.5%	133	50.6%	242
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	15	5.7%	81	30.8%	161	61.2%	257
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	0.4%	14	5.3%	171	65.0%	58	22.1%	244
Q19	<i>Dropping potassium into water</i>	0	0.0%	11	4.2%	3	1.1%	246	93.5%	260
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	3	1.1%	15	5.7%	241	91.6%	259

		A		B		C-H		I		Total
		Banned + evidence		Believe banned no evidence		Not banned but....		Sometimes done		response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	2	0.8%	16	6.1%	61	23.2%	172	65.4%	251
Q22	<i>Use of benzene</i>	105	39.9%	135	51.3%	16	6.1%	1	0.4%	257
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	27	10.3%	130	49.4%	85	32.3%	242
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	2	0.8%	48	18.3%	120	45.6%	80	30.4%	250
Q25	<i>Using bromine in diffusion demonstrations</i>	1	0.4%	20	7.6%	96	36.5%	129	49.1%	246
Q26	<i>Demonstrating ammonium dichromate volcano</i>	4	1.5%	52	19.8%	98	37.3%	94	35.7%	248
Q27	<i>Use of genuine crude oil</i>	75	28.5%	130	49.4%	30	11.4%	19	7.2%	254
Q28	<i>Use of naphthalene (moth balls)</i>	12	4.6%	82	31.2%	118	44.9%	27	10.3%	239
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	3	1.1%	19	7.2%	104	39.5%	111	42.2%	237
Q30	<i>Use of mercury thermometers</i>	0	0.0%	19	7.2%	58	22.1%	172	65.4%	249
Q31	<i>Use of model steam engines</i>	0	0.0%	8	3.0%	48	18.3%	200	76.1%	256
Q32	<i>Use of air rifles in momentum demonstrations</i>	1	0.4%	83	31.6%	138	52.5%	21	8.0%	243
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	34	12.9%	146	55.5%	51	19.4%	231
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	3	1.1%	8	3.0%	242	92.0%	253
Q35	<i>Use of stroboscopes</i>	0	0.0%	15	5.7%	90	34.2%	138	52.5%	243
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	6	2.3%	244	92.8%	250
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	0.4%	13	4.9%	67	25.5%	160	60.8%	241
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	9	3.4%	80	30.4%	86	32.7%	59	22.4%	234
Q39	<i>Demonstrations using sealed radioactive sources</i>	1	0.4%	4	1.5%	45	17.1%	203	77.2%	253
Q40	<i>Demonstrations using protactinium generators</i>	4	1.5%	37	14.1%	139	52.9%	55	20.9%	235

**Table 7(b) All maintained schools where governors are employer** (Foundation & Voluntary Aided schools in England & Wales)

		A		B		C-H		I		Total response
		Banned + evidence		Believe banned no evidence		Not banned but...		Sometimes done		
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	0	0.0%	1	1.3%	66	83.5%	10	12.7%	77
Q2	<i>Keeping giant African land snails</i>	0	0.0%	5	6.3%	59	74.7%	10	12.7%	74
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	4	5.1%	10	12.7%	62	78.5%	76
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	6	7.6%	70	88.6%	76
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	7	8.9%	43	54.4%	24	30.4%	74
Q6	<i>Dissection of eyeballs</i>	4	5.1%	5	6.3%	16	20.3%	53	67.1%	78
Q7	<i>Dissection of hearts</i>	0	0.0%	1	1.3%	2	2.5%	74	93.7%	77
Q8	<i>Dissection of rats</i>	0	0.0%	4	5.1%	44	55.7%	27	34.2%	75
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	1.3%	10	12.7%	17	21.5%	49	62.0%	77
Q10	<i>Pupils using their own saliva in experiments</i>	1	1.3%	17	21.5%	41	51.9%	19	24.1%	78
Q11	<i>Pupils taking samples of their own blood</i>	14	17.7%	35	44.3%	24	30.4%	1	1.3%	74
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	8	10.1%	16	20.3%	53	67.1%	77
Q13	<i>Burning peanuts in experiments</i>	1	1.3%	13	16.5%	45	57.0%	18	22.8%	77
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	33	41.8%	43	54.4%	76
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	5	6.3%	28	35.4%	41	51.9%	74
Q16	<i>Exploding cans containing methane / air mixtures</i>	2	2.5%	9	11.4%	33	41.8%	30	38.0%	74
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	2	2.5%	7	8.9%	25	31.7%	44	55.7%	78
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	7	8.9%	44	55.7%	23	29.1%	74
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	78	98.7%	78
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	5	6.3%	73	92.4%	78

		A		B		C-H		I		Total
		Banned + evidence		Believe banned no evidence		Not banned but....		Sometimes done		response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	7	8.9%	71	89.9%	78
Q22	<i>Use of benzene</i>	42	53.2%	29	36.7%	3	3.8%	1	1.3%	75
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	5	6.3%	43	54.4%	26	32.9%	74
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	8	10.1%	39	49.4%	27	34.2%	74
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	2	2.5%	25	31.7%	50	63.3%	77
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	1.3%	5	6.3%	31	39.2%	39	49.4%	76
Q27	<i>Use of genuine crude oil</i>	33	41.8%	32	40.5%	8	10.1%	2	2.5%	75
Q28	<i>Use of naphthalene (moth balls)</i>	4	5.1%	18	22.8%	44	55.7%	8	10.1%	74
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	1.3%	2	2.5%	41	51.9%	28	35.4%	72
Q30	<i>Use of mercury thermometers</i>	1	1.3%	1	1.3%	18	22.8%	59	74.7%	79
Q31	<i>Use of model steam engines</i>	0	0.0%	1	1.3%	14	17.7%	63	79.8%	78
Q32	<i>Use of air rifles in momentum demonstrations</i>	1	1.3%	21	26.6%	38	48.1%	12	15.2%	72
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	1.3%	9	11.4%	51	64.6%	12	15.2%	73
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	4	5.1%	73	92.4%	77
Q35	<i>Use of stroboscopes</i>	1	1.3%	1	1.3%	17	21.5%	57	72.2%	76
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	1	1.3%	76	96.2%	77
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	1.3%	7	8.9%	16	20.3%	53	67.1%	77
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	2	2.5%	18	22.8%	35	44.3%	20	25.3%	75
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	3	3.8%	73	92.4%	76
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	5	6.3%	46	58.2%	20	25.3%	71

**Table 7(c) All independent schools**

		A <i>Banned + evidence</i>		B <i>Believe banned no evidence</i>		C-H <i>Not banned but...</i>		I <i>Sometimes done</i>		Total <i>response</i>
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	0	0.0%	4	6.1%	44	66.7%	15	22.7%	63
Q2	<i>Keeping giant African land snails</i>	0	0.0%	5	7.6%	46	69.7%	12	18.2%	63
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	4	6.1%	13	19.7%	47	71.2%	64
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	7	10.6%	57	86.4%	64
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	1.5%	8	12.1%	27	40.9%	24	36.4%	60
Q6	<i>Dissection of eyeballs</i>	0	0.0%	9	13.6%	11	16.7%	43	65.2%	63
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	5	7.6%	59	89.4%	64
Q8	<i>Dissection of rats</i>	1	1.5%	0	0.0%	28	42.4%	33	50.0%	62
Q9	<i>Pupils taking samples of their own cheek cells</i>	0	0.0%	7	10.6%	13	19.7%	42	63.6%	62
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	11	16.7%	29	43.9%	23	34.9%	63
Q11	<i>Pupils taking samples of their own blood</i>	9	13.6%	21	31.8%	27	40.9%	4	6.1%	61
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	5	7.6%	13	19.7%	42	63.6%	60
Q13	<i>Burning peanuts in experiments</i>	0	0.0%	6	9.1%	34	51.5%	24	36.4%	64
Q14	<i>Using spirometers</i>	0	0.0%	3	4.6%	20	30.3%	39	59.1%	62
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	4	6.1%	30	45.5%	30	45.5%	64
Q16	<i>Exploding cans containing methane / air mixtures</i>	1	1.5%	4	6.1%	29	43.9%	31	47.0%	65
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	1	1.5%	17	25.8%	45	68.2%	63
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	1	1.5%	35	53.0%	25	37.9%	61
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	65	98.5%	65
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	6	9.1%	59	89.4%	65

		A		B		C-H		I		Total
		Banned + evidence		Believe banned no evidence		Not banned but...		Sometimes done		response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	17	25.8%	48	72.7%	65
Q22	<i>Use of benzene</i>	47	71.2%	18	27.3%	1	1.5%	0	0.0%	66
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	0	0.0%	27	40.9%	37	56.1%	64
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	4	6.1%	41	62.1%	20	30.3%	65
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	18	27.3%	48	72.7%	66
Q26	<i>Demonstrating ammonium dichromate volcano</i>	0	0.0%	0	0.0%	18	27.3%	47	71.2%	65
Q27	<i>Use of genuine crude oil</i>	37	56.1%	16	24.2%	9	13.6%	2	3.0%	64
Q28	<i>Use of naphthalene (moth balls)</i>	0	0.0%	9	13.6%	39	59.1%	14	21.2%	62
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	1	1.5%	32	48.5%	29	43.9%	62
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	8	12.1%	57	86.4%	65
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	15	22.7%	48	72.7%	63
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	9	13.6%	35	53.0%	16	24.2%	60
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	5	7.6%	39	59.1%	14	21.2%	58
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	2	3.0%	61	92.4%	63
Q35	<i>Use of stroboscopes</i>	0	0.0%	1	1.5%	10	15.2%	52	78.8%	63
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	1.5%	2	3.0%	59	89.4%	62
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	1	1.5%	5	7.6%	57	86.4%	63
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	19	28.8%	15	22.7%	27	40.9%	61
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	1.5%	11	16.7%	49	74.2%	61
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	3	4.6%	30	45.5%	27	40.9%	60

**Table 7(d) All maintained schools outside Scotland where local authority is employer**

		A Banned + evidence		B Believe banned no evidence		C-H Not banned but....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	0	0.0%	10	6.1%	120	72.7%	35	21.21%	165
Q2	<i>Keeping giant African land snails</i>	0	0.0%	16	9.8%	128	78.1%	20	12.2%	164
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	12	7.1%	32	18.9%	125	74.0%	169
Q4	<i>Using a choice chamber with woodlice</i>	1	0.6%	1	0.6%	24	14.3%	142	84.5%	168
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	0.6%	29	17.4%	98	58.7%	39	23.4%	167
Q6	<i>Dissection of eyeballs</i>	4	2.4%	16	9.5%	50	29.6%	99	58.6%	169
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	5	3.0%	164	97.0%	169
Q8	<i>Dissection of rats</i>	0	0.0%	16	9.9%	98	60.9%	47	29.2%	161
Q9	<i>Pupils taking samples of their own cheek cells</i>	3	1.8%	31	18.3%	44	26.0%	91	53.9%	169
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	45	27.1%	77	46.4%	44	26.5%	166
Q11	<i>Pupils taking samples of their own blood</i>	22	13.3%	89	53.6%	50	30.1%	5	3.0%	166
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	0.6%	16	9.6%	27	16.2%	123	73.7%	167
Q13	<i>Burning peanuts in experiments</i>	5	3.0%	37	22.4%	81	49.1%	42	25.5%	165
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	83	51.6%	78	48.5%	161
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	11	6.8%	48	29.6%	103	63.6%	162
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	20	13.1%	66	43.1%	67	43.8%	153
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	10	6.0%	54	32.5%	102	61.5%	166
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	7	4.4%	110	69.6%	41	26.0%	158
Q19	<i>Dropping potassium into water</i>	0	0.0%	1	0.6%	1	0.6%	167	98.8%	169
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	1	0.6%	7	4.1%	161	95.3%	169

		A		B		C-H		I		No
		Banned + evidence		Believe banned no evidence		Not banned but....		Sometimes done		response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	3	1.8%	15	8.9%	150	89.3%	168
Q22	<i>Use of benzene</i>	77	46.1%	82	49.1%	8	4.9%	0	0.0%	167
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	11	6.9%	95	59.8%	53	33.3%	159
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	0.6%	18	10.9%	77	46.7%	69	41.8%	165
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	5	3.0%	57	34.6%	103	62.4%	165
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	1.2%	21	13.0%	66	40.7%	73	45.1%	162
Q27	<i>Use of genuine crude oil</i>	64	38.8%	79	47.9%	18	10.9%	4	2.4%	165
Q28	<i>Use of naphthalene (moth balls)</i>	7	4.4%	45	28.5%	84	53.2%	22	13.9%	158
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	1.3%	11	6.9%	74	46.5%	72	45.3%	159
Q30	<i>Use of mercury thermometers</i>	0	0.0%	8	4.9%	40	24.5%	115	70.6%	163
Q31	<i>Use of model steam engines</i>	0	0.0%	3	1.8%	34	20.1%	132	78.1%	169
Q32	<i>Use of air rifles in momentum demonstrations</i>	1	0.6%	48	29.5%	103	63.2%	11	6.8%	163
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	17	11.0%	105	67.7%	33	21.3%	155
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	2	1.2%	6	3.6%	160	95.2%	168
Q35	<i>Use of stroboscopes</i>	0	0.0%	8	4.9%	68	41.5%	88	53.7%	164
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	1	0.6%	167	99.4%	168
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	10	6.2%	62	38.3%	90	55.6%	162
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	4	2.6%	42	26.8%	68	43.3%	43	27.4%	157
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	2	1.2%	17	10.1%	150	88.8%	169
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	13	8.2%	102	64.6%	43	27.2%	158

**Table 7(e) All maintained schools outside Scotland where governors are employer (Foundation & Voluntary Aided schools in England & Wales)**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q1	<i>Keeping small mammals</i>	0	0.0%	1	1.3%	66	85.7%	10	13.0%	77
Q2	<i>Keeping giant African land snails</i>	0	0.0%	5	6.8%	59	79.7%	10	13.5%	74
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	4	5.3%	10	13.2%	62	81.6%	76
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	6	7.9%	70	92.1%	76
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	7	9.5%	43	58.1%	24	32.4%	74
Q6	<i>Dissection of eyeballs</i>	4	5.1%	5	6.4%	16	20.5%	53	67.9%	78
Q7	<i>Dissection of hearts</i>	0	0.0%	1	1.3%	2	2.6%	74	96.1%	77
Q8	<i>Dissection of rats</i>	0	0.0%	4	5.3%	44	58.7%	27	36.0%	75
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	1.3%	10	13.0%	17	22.1%	49	63.6%	77
Q10	<i>Pupils using their own saliva in experiments</i>	1	1.3%	17	21.8%	41	52.6%	19	24.4%	78
Q11	<i>Pupils taking samples of their own blood</i>	14	18.9%	35	47.3%	24	32.4%	1	1.4%	74
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	8	10.4%	16	20.8%	53	68.8%	77
Q13	<i>Burning peanuts in experiments</i>	1	1.3%	13	16.9%	45	58.4%	18	23.4%	77
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	33	43.4%	43	56.6%	76
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	5	6.8%	28	37.8%	41	55.4%	74
Q16	<i>Exploding cans containing methane / air mixtures</i>	2	2.7%	9	12.2%	33	44.6%	30	40.5%	74
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	2	2.6%	7	9.0%	25	32.1%	44	56.4%	78
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	7	9.5%	44	59.5%	23	31.1%	74
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	78	100.0%	78
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	5	6.4%	73	93.6%	78

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	No
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	7	9.0%	71	91.0%	78
Q22	<i>Use of benzene</i>	42	56.0%	29	38.7%	3	4.0%	1	1.3%	75
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	5	6.8%	43	58.1%	26	35.1%	74
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	8	10.8%	39	52.7%	27	36.5%	74
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	2	2.6%	25	32.5%	50	64.9%	77
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	1.3%	5	6.6%	31	40.8%	39	51.3%	76
Q27	<i>Use of genuine crude oil</i>	33	44.0%	32	42.7%	8	10.7%	2	2.7%	75
Q28	<i>Use of naphthalene (moth balls)</i>	4	5.4%	18	24.3%	44	59.5%	8	10.8%	74
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	1.4%	2	2.8%	41	56.9%	28	38.9%	72
Q30	<i>Use of mercury thermometers</i>	1	1.3%	1	1.3%	18	22.8%	59	74.7%	79
Q31	<i>Use of model steam engines</i>	0	0.0%	1	1.3%	14	17.9%	63	80.8%	78
Q32	<i>Use of air rifles in momentum demonstrations</i>	1	1.4%	21	29.2%	38	52.8%	12	16.7%	72
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	1.4%	9	12.3%	51	69.9%	12	16.4%	73
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	4	5.2%	73	94.8%	77
Q35	<i>Use of stroboscopes</i>	1	1.3%	1	1.3%	17	22.4%	57	75.0%	76
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	1	1.3%	76	98.7%	77
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	1.3%	7	9.1%	16	20.8%	53	68.8%	77
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	2	2.7%	18	24.0%	35	46.7%	20	26.7%	75
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	3	3.9%	73	96.1%	76
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	5	7.0%	46	64.8%	20	28.2%	71

**Table 7(f) Independent schools outside Scotland**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	1	2.0%	35	71.4%	13	26.5%	49
Q2	<i>Keeping giant African land snails</i>	0	0.0%	1	2.0%	37	75.5%	11	22.4%	49
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	1	2.0%	7	14.3%	41	83.7%	49
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	5	10.2%	44	89.8%	49
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	6	13.0%	21	45.7%	19	41.3%	46
Q6	<i>Dissection of eyeballs</i>	0	0.0%	4	8.3%	6	12.5%	38	79.2%	48
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	1	2.0%	48	98.0%	49
Q8	<i>Dissection of rats</i>	0	0.0%	0	0.0%	18	37.5%	30	62.5%	48
Q9	<i>Pupils taking samples of their own cheek cells</i>	0	0.0%	2	4.2%	11	22.9%	35	72.9%	48
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	5	10.4%	25	52.1%	18	37.5%	48
Q11	<i>Pupils taking samples of their own blood</i>	6	12.8%	11	23.4%	26	55.3%	4	8.5%	47
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	3	6.5%	10	21.7%	33	71.7%	46
Q13	<i>Burning peanuts in experiments</i>	0	0.0%	5	10.2%	29	59.2%	15	30.6%	49
Q14	<i>Using spirometers</i>	0	0.0%	2	4.2%	15	31.3%	31	64.6%	48
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	4	8.2%	29	59.2%	16	32.7%	49
Q16	<i>Exploding cans containing methane / air mixtures</i>	1	2.0%	4	8.0%	23	46.0%	22	44.0%	50
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	1	2.0%	11	22.4%	37	75.5%	49
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	1	2.1%	26	55.3%	20	42.6%	47
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	51	100.0%	51
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	5	10.0%	45	90.0%	50

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	7	13.7%	44	86.3%	51
Q22	<i>Use of benzene</i>	41	80.4%	9	17.6%	1	2.0%	0	0.0%	51
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	0	0.0%	21	42.9%	28	57.1%	49
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	2	4.0%	34	68.0%	14	28.0%	50
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	12	23.5%	39	76.5%	51
Q26	<i>Demonstrating ammonium dichromate volcano</i>	0	0.0%	0	0.0%	15	29.4%	36	70.6%	51
Q27	<i>Use of genuine crude oil</i>	33	67.3%	9	18.4%	7	14.3%	0	0.0%	49
Q28	<i>Use of naphthalene (moth balls)</i>	0	0.0%	6	12.5%	33	68.8%	9	18.8%	48
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	1	2.1%	23	48.9%	23	48.9%	47
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	4	8.0%	46	92.0%	50
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	12	24.5%	37	75.5%	49
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	6	13.0%	26	56.5%	14	30.4%	46
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	3	6.7%	29	64.4%	13	28.9%	45
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	2	4.1%	47	95.9%	49
Q35	<i>Use of stroboscopes</i>	0	0.0%	0	0.0%	4	8.2%	45	91.8%	49
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	2.1%	0	0.0%	47	97.9%	48
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	1	2.0%	2	4.1%	46	93.9%	49
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	12	25.5%	12	25.5%	23	48.9%	47
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	3	6.3%	45	93.8%	48
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	2	4.3%	18	38.3%	27	57.4%	47

**Table 7(g) Maintained schools in Scotland**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	1	1.1%	25	28.7%	52	59.8%	9	10.3%	87
Q2	<i>Keeping giant African land snails</i>	2	2.5%	18	22.2%	49	60.5%	12	14.8%	81
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	1.2%	23	26.7%	21	24.4%	41	47.7%	86
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	4	4.7%	81	95.3%	85
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	4	5.0%	30	37.5%	35	43.8%	11	13.8%	80
Q6	<i>Dissection of eyeballs</i>	6	7.1%	50	58.8%	17	20.0%	12	14.1%	85
Q7	<i>Dissection of hearts</i>	1	1.2%	16	18.6%	11	12.8%	58	67.4%	86
Q8	<i>Dissection of rats</i>	4	4.8%	39	47.0%	39	47.0%	1	1.2%	83
Q9	<i>Pupils taking samples of their own cheek cells</i>	4	4.7%	23	26.7%	12	14.0%	47	54.7%	86
Q10	<i>Pupils using their own saliva in experiments</i>	6	6.7%	47	52.8%	19	21.3%	17	19.1%	89
Q11	<i>Pupils taking samples of their own blood</i>	14	15.4%	71	78.0%	6	6.6%	0	0.0%	91
Q12	<i>Incubating "finger dabs" on agar plates</i>	2	2.4%	26	31.0%	25	29.8%	31	36.9%	84
Q13	<i>Burning peanuts in experiments</i>	1	1.1%	15	16.1%	34	36.6%	43	46.2%	93
Q14	<i>Using spirometers</i>	0	0.0%	1	1.4%	21	29.6%	49	69.0%	71
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	1	1.1%	1	1.1%	90	97.8%	92
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	1	1.1%	22	24.7%	66	74.2%	89
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	5	5.5%	27	29.7%	59	64.8%	91
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	1.2%	7	8.1%	61	70.9%	17	19.8%	86
Q19	<i>Dropping potassium into water</i>	0	0.0%	10	11.0%	2	2.2%	79	86.8%	91
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	2	2.2%	8	8.9%	80	88.9%	90

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	2	2.4%	13	15.7%	46	55.4%	22	26.5%	83
Q22	<i>Use of benzene</i>	28	31.1%	53	58.9%	8	8.9%	1	1.1%	90
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	16	19.3%	35	42.2%	32	38.6%	83
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	1.2%	30	35.3%	43	50.6%	11	12.9%	85
Q25	<i>Using bromine in diffusion demonstrations</i>	1	1.2%	15	18.5%	39	48.1%	26	32.1%	81
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	2.3%	31	36.0%	32	37.2%	21	24.4%	86
Q27	<i>Use of genuine crude oil</i>	11	12.4%	51	57.3%	12	13.5%	15	16.9%	89
Q28	<i>Use of naphthalene (moth balls)</i>	5	6.2%	37	45.7%	34	42.0%	5	6.2%	81
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	1.3%	8	10.3%	30	38.5%	39	50.0%	78
Q30	<i>Use of mercury thermometers</i>	0	0.0%	11	12.8%	18	20.9%	57	66.3%	86
Q31	<i>Use of model steam engines</i>	0	0.0%	5	5.7%	14	16.1%	68	78.2%	87
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	35	43.8%	35	43.8%	10	12.5%	80
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	17	22.4%	41	53.9%	18	23.7%	76
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	1	1.2%	2	2.4%	82	96.5%	85
Q35	<i>Use of stroboscopes</i>	0	0.0%	7	8.9%	22	27.8%	50	63.3%	79
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	5	6.1%	77	93.9%	82
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	1.3%	3	3.8%	5	6.3%	70	88.6%	79
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	5	6.5%	38	49.4%	18	23.4%	16	20.8%	77
Q39	<i>Demonstrations using sealed radioactive sources</i>	1	1.2%	2	2.4%	28	33.3%	53	63.1%	84
Q40	<i>Demonstrations using protactinium generators</i>	4	5.2%	24	31.2%	37	48.1%	12	15.6%	77

**Table 7(h) Independent schools in Scotland**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	3	21.4%	9	64.3%	2	14.3%	14
Q2	<i>Keeping giant African land snails</i>	0	0.0%	4	28.6%	9	64.3%	1	7.1%	14
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	3	20.0%	6	40.0%	6	40.0%	15
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	2	13.3%	13	86.7%	15
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	7.1%	2	14.3%	6	42.9%	5	35.7%	14
Q6	<i>Dissection of eyeballs</i>	0	0.0%	5	33.3%	5	33.3%	5	33.3%	15
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	4	26.7%	11	73.3%	15
Q8	<i>Dissection of rats</i>	1	7.1%	0	0.0%	10	71.4%	3	21.4%	14
Q9	<i>Pupils taking samples of their own cheek cells</i>	0	0.0%	5	35.7%	2	14.3%	7	50.0%	14
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	6	40.0%	4	26.7%	5	33.3%	15
Q11	<i>Pupils taking samples of their own blood</i>	3	21.4%	10	71.4%	1	7.1%	0	0.0%	14
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	2	14.3%	3	21.4%	9	64.3%	14
Q13	<i>Burning peanuts in experiments</i>	0	0.0%	1	6.7%	5	33.3%	9	60.0%	15
Q14	<i>Using spirometers</i>	0	0.0%	1	7.1%	5	35.7%	8	57.1%	14
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	0	0.0%	1	6.7%	14	93.3%	15
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	0	0.0%	6	40.0%	9	60.0%	15
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	0	0.0%	6	42.9%	8	57.1%	14
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	0	0.0%	9	64.3%	5	35.7%	14
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	14	100.0%	14
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	1	6.7%	14	93.3%	15

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	10	71.4%	4	28.6%	14
Q22	<i>Use of benzene</i>	6	40.0%	9	60.0%	0	0.0%	0	0.0%	15
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	0	0.0%	6	40.0%	9	60.0%	15
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	2	13.3%	7	46.7%	6	40.0%	15
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	6	40.0%	9	60.0%	15
Q26	<i>Demonstrating ammonium dichromate volcano</i>	0	0.0%	0	0.0%	3	21.4%	11	78.6%	14
Q27	<i>Use of genuine crude oil</i>	4	26.7%	7	46.7%	2	13.3%	2	13.3%	15
Q28	<i>Use of naphthalene (moth balls)</i>	0	0.0%	3	21.4%	6	42.9%	5	35.7%	14
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	0	0.0%	9	60.0%	6	40.0%	15
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	4	26.7%	11	73.3%	15
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	3	21.4%	11	78.6%	14
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	3	21.4%	9	64.3%	2	14.3%	14
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	2	15.4%	10	76.9%	1	7.7%	13
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	0	0.0%	14	100.0%	14
Q35	<i>Use of stroboscopes</i>	0	0.0%	1	7.1%	6	42.9%	7	50.0%	14
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	2	14.3%	12	85.7%	14
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	0	0.0%	3	21.4%	11	78.6%	14
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	7	50.0%	3	21.4%	4	28.6%	14
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	7.7%	8	61.5%	4	30.8%	13
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	1	7.7%	12	92.3%	0	0.0%	13

## Appendix 8 Size of schools

Table 8(a) All schools with under 500 pupils

		<i>A</i> <i>Banned + evidence</i>		<i>B</i> <i>Believed banned no evidence</i>		<i>C-H</i> <i>Not banned but ....</i>		<i>I</i> <i>Sometimes done</i>		<i>Total response</i>
		No	%	No	%	No	%	No	%	No
Q1	Keeping small mammals	0	0.0%	12	21.1%	37	64.9%	8	14.0%	57
Q2	Keeping giant African land snails	0	0.0%	9	16.1%	41	73.2%	6	10.7%	56
Q3	Inflating a sheep's lung (eg, with bellows)	0	0.0%	8	14.0%	20	35.1%	29	50.9%	57
Q4	Using a choice chamber with woodlice	0	0.0%	0	0.0%	7	12.3%	50	87.7%	57
Q5	Bringing spawn of the common frog from a pond into school	2	3.8%	13	24.5%	15	28.3%	23	43.4%	53
Q6	Dissection of eyeballs	1	1.8%	17	30.4%	13	23.2%	25	44.6%	56
Q7	Dissection of hearts	0	0.0%	4	7.0%	8	14.0%	45	78.9%	57
Q8	Dissection of rats	1	1.8%	8	14.5%	28	50.9%	18	32.7%	55
Q9	Pupils taking samples of their own cheek cells	2	3.6%	8	14.5%	11	20.0%	34	61.8%	55
Q10	Pupils using their own saliva in experiments	2	3.6%	18	32.1%	20	35.7%	16	28.6%	56
Q11	Pupils taking samples of their own blood	8	14.5%	35	63.6%	11	20.0%	1	1.8%	55
Q12	Incubating "finger dabs" on agar plates	1	1.8%	6	10.9%	16	29.1%	32	58.2%	55
Q13	Burning peanuts in experiments	0	0.0%	5	8.8%	19	33.3%	33	57.9%	57
Q14	Using spirometers	0	0.0%	2	3.8%	22	41.5%	29	54.7%	53
Q15	Exploding cans of custard powder, icing sugar, lycopodium powder or similar	0	0.0%	1	1.7%	18	31.0%	39	67.2%	58
Q16	Exploding cans containing methane / air mixtures	0	0.0%	1	1.8%	27	48.2%	28	50.0%	56
Q17	Demonstrating explosions of hydrogen / oxygen mixtures	0	0.0%	2	3.6%	22	40.0%	31	56.4%	55
Q18	Reducing heated copper(II) oxide with hydrogen	0	0.0%	0	0.0%	39	69.6%	17	30.4%	56
Q19	Dropping potassium into water	0	0.0%	0	0.0%	0	0.0%	58	100.0%	58
Q20	Heating iron/sulfur mixtures	0	0.0%	0	0.0%	2	3.5%	55	96.5%	57

		<i>A</i> <i>Banned + evidence</i>		<i>B</i> <i>Believed banned no evidence</i>		<i>C-H</i> <i>Not banned but ....</i>		<i>I</i> <i>Sometimes done</i>		<i>Total response</i>
		No	%	No	%	No	%	No	%	<b>No</b>
Q21	Demonstrating the thermite reaction	0	0.0%	2	3.6%	24	43.6%	29	52.7%	55
Q22	Use of benzene	30	51.7%	21	36.2%	7	12.1%	0	0.0%	58
Q23	Demonstrating the iodine/aluminium reaction	0	0.0%	2	3.5%	29	50.9%	26	45.6%	57
Q24	Using a blowpipe in lead oxide/charcoal reductions	0	0.0%	8	14.0%	34	59.6%	15	26.3%	57
Q25	Using bromine in diffusion demonstrations	0	0.0%	1	1.8%	24	42.1%	32	56.1%	57
Q26	Demonstrating ammonium dichromate volcano	1	1.8%	4	7.0%	19	33.3%	33	57.9%	57
Q27	Use of genuine crude oil	19	33.3%	20	35.1%	12	21.1%	6	10.5%	57
Q28	Use of naphthalene (moth balls)	1	1.9%	11	20.4%	32	59.3%	10	18.5%	54
Q29	Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)	0	0.0%	0	0.0%	26	47.3%	29	52.7%	55
Q30	Use of mercury thermometers	0	0.0%	0	0.0%	11	19.6%	45	80.4%	56
Q31	Use of model steam engines	0	0.0%	0	0.0%	16	28.1%	41	71.9%	57
Q32	Use of air rifles in momentum demonstrations	0	0.0%	18	33.3%	29	53.7%	7	13.0%	54
Q33	Use of starting pistol in speed of sound experiments	0	0.0%	9	17.6%	30	58.8%	12	23.5%	51
Q34	Making pupils' hair stand on end with van de Graaff generators	0	0.0%	1	1.8%	2	3.6%	53	94.6%	56
Q35	Use of stroboscopes	0	0.0%	4	7.4%	15	27.8%	35	64.8%	54
Q36	Showing magnetic fields with iron filings	0	0.0%	0	0.0%	4	7.4%	50	92.6%	54
Q37	Use of EHT equipment up to 5000 volts at less than 5 mA	0	0.0%	3	5.5%	9	16.4%	43	78.2%	55
Q38	Demonstrating the power line at mains voltage on the transmission line	0	0.0%	24	44.4%	19	35.2%	11	20.4%	54
Q39	Demonstrations using sealed radioactive sources	1	1.8%	2	3.6%	17	30.9%	35	63.6%	55
Q40	Demonstrations using protactinium generators	1	2.0%	4	7.8%	33	64.7%	13	25.5%	51

**Table 8(b) All schools with between 500 & 1000 pupils**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	1	0.6%	9	5.5%	125	75.8%	30	18.2%	165
Q2	<i>Keeping giant African land snails</i>	2	1.2%	14	8.6%	128	79.0%	18	11.1%	162
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	0.6%	16	9.6%	36	21.6%	114	68.3%	167
Q4	<i>Using a choice chamber with woodlice</i>	1	0.6%	1	0.6%	18	10.8%	146	88.0%	166
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	2	1.2%	33	20.1%	99	60.4%	30	18.3%	164
Q6	<i>Dissection of eyeballs</i>	6	3.6%	37	21.9%	39	23.1%	87	51.5%	169
Q7	<i>Dissection of hearts</i>	1	0.6%	5	3.0%	11	6.5%	152	89.9%	169
Q8	<i>Dissection of rats</i>	3	1.9%	26	16.1%	102	63.4%	30	18.6%	161
Q9	<i>Pupils taking samples of their own cheek cells</i>	4	2.4%	35	20.7%	29	17.2%	101	59.8%	169
Q10	<i>Pupils using their own saliva in experiments</i>	4	2.4%	49	29.2%	68	40.5%	47	28.0%	168
Q11	<i>Pupils taking samples of their own blood</i>	28	16.8%	90	53.9%	45	26.9%	4	2.4%	167
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	0.6%	26	15.9%	28	17.1%	109	66.5%	164
Q13	<i>Burning peanuts in experiments</i>	3	1.8%	32	18.8%	88	51.8%	47	27.6%	170
Q14	<i>Using spirometers</i>	0	0.0%	2	1.3%	70	45.2%	83	53.5%	155
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	12	7.3%	44	26.7%	109	66.1%	165
Q16	<i>Exploding cans containing methane / air mixtures</i>	2	1.2%	23	13.9%	63	38.0%	78	47.0%	166
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	1	0.6%	12	7.0%	47	27.5%	111	64.9%	171
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	0.6%	15	9.6%	98	62.4%	43	27.4%	157
Q19	<i>Dropping potassium into water</i>	0	0.0%	7	4.1%	0	0.0%	165	95.9%	172
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	2	1.2%	13	7.6%	156	91.2%	171

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	1	0.6%	8	4.7%	34	20.1%	126	74.6%	169
Q22	<i>Use of benzene</i>	75	44.1%	88	51.8%	6	3.5%	1	0.6%	170
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	16	10.0%	90	56.3%	54	33.8%	160
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	0.6%	24	14.5%	90	54.5%	50	30.3%	165
Q25	<i>Using bromine in diffusion demonstrations</i>	1	0.6%	12	7.2%	52	31.1%	102	61.1%	167
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	1.2%	26	15.8%	61	37.0%	76	46.1%	165
Q27	<i>Use of genuine crude oil</i>	59	35.1%	81	48.2%	16	9.5%	12	7.1%	168
Q28	<i>Use of naphthalene (moth balls)</i>	7	4.5%	48	30.8%	81	51.9%	20	12.8%	156
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	1.3%	12	7.7%	81	51.9%	61	39.1%	156
Q30	<i>Use of mercury thermometers</i>	1	0.6%	15	8.8%	42	24.6%	113	66.1%	171
Q31	<i>Use of model steam engines</i>	0	0.0%	3	1.8%	35	20.8%	130	77.4%	168
Q32	<i>Use of air rifles in momentum demonstrations</i>	2	1.3%	46	28.9%	91	57.2%	20	12.6%	159
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	0.7%	21	13.8%	99	65.1%	31	20.4%	152
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	4	2.4%	163	97.6%	167
Q35	<i>Use of stroboscopes</i>	1	0.6%	7	4.3%	54	33.3%	100	61.7%	162
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	0.6%	2	1.2%	163	98.2%	166
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	0.6%	12	7.6%	46	29.1%	99	62.7%	158
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	4	2.6%	51	33.6%	52	34.2%	45	29.6%	152
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	2	1.2%	31	18.8%	132	80.0%	165
Q40	<i>Demonstrations using protactinium generators</i>	1	0.7%	22	14.6%	95	62.9%	33	21.9%	151

**Table 8(c) All schools with over 1000 pupils**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	19	11.2%	120	70.6%	31	18.2%	170
Q2	<i>Keeping giant African land snails</i>	0	0.0%	21	12.8%	113	68.9%	30	18.3%	164
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	19	11.1%	20	11.7%	132	77.2%	171
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	16	9.4%	154	90.6%	170
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	2	1.2%	28	17.1%	89	54.3%	45	27.4%	164
Q6	<i>Dissection of eyeballs</i>	7	4.1%	26	15.3%	42	24.7%	95	55.9%	170
Q7	<i>Dissection of hearts</i>	0	0.0%	8	4.7%	4	2.4%	158	92.9%	170
Q8	<i>Dissection of rats</i>	1	0.6%	25	15.2%	79	47.9%	60	36.4%	165
Q9	<i>Pupils taking samples of their own cheek cells</i>	2	1.2%	28	16.5%	46	27.1%	94	55.3%	170
Q10	<i>Pupils using their own saliva in experiments</i>	1	0.6%	53	30.8%	78	45.3%	40	23.3%	172
Q11	<i>Pupils taking samples of their own blood</i>	23	13.5%	91	53.5%	51	30.0%	5	2.9%	170
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	0.6%	23	13.6%	37	21.9%	108	63.9%	169
Q13	<i>Burning peanuts in experiments</i>	4	2.3%	34	19.8%	87	50.6%	47	27.3%	172
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	65	40.1%	97	59.9%	162
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	8	4.7%	45	26.6%	116	68.6%	169
Q16	<i>Exploding cans containing methane / air mixtures</i>	1	0.6%	10	6.3%	60	37.7%	88	55.3%	159
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	1	0.6%	9	5.2%	54	31.4%	108	62.8%	172
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	7	4.2%	113	68.1%	46	27.7%	166
Q19	<i>Dropping potassium into water</i>	0	0.0%	4	2.3%	3	1.7%	166	96.0%	173
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	1	0.6%	11	6.3%	162	93.1%	174

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	1	0.6%	6	3.5%	27	15.9%	136	80.0%	170
Q22	<i>Use of benzene</i>	89	52.4%	73	42.9%	7	4.1%	1	0.6%	170
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	14	8.6%	81	49.7%	68	41.7%	163
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	0.6%	28	16.8%	76	45.5%	62	37.1%	167
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	9	5.5%	63	38.2%	93	56.4%	165
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	1.2%	27	16.2%	67	40.1%	71	42.5%	167
Q27	<i>Use of genuine crude oil</i>	67	39.9%	77	45.8%	19	11.3%	5	3.0%	168
Q28	<i>Use of naphthalene (moth balls)</i>	8	4.8%	50	30.3%	88	53.3%	19	11.5%	165
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	1.3%	10	6.3%	70	43.8%	78	48.8%	160
Q30	<i>Use of mercury thermometers</i>	0	0.0%	5	3.0%	31	18.7%	130	78.3%	166
Q31	<i>Use of model steam engines</i>	0	0.0%	6	3.5%	26	15.1%	140	81.4%	172
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	49	30.2%	91	56.2%	22	13.6%	162
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	18	11.3%	107	67.3%	34	21.4%	159
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	2	1.2%	8	4.7%	160	94.1%	170
Q35	<i>Use of stroboscopes</i>	0	0.0%	6	3.6%	48	28.9%	112	67.5%	166
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	3	1.8%	166	98.2%	169
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	0.6%	6	3.6%	33	19.6%	128	76.2%	168
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	7	4.3%	42	25.6%	65	39.6%	50	30.5%	164
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	0.6%	11	6.5%	158	92.9%	170
Q40	<i>Demonstrations using protactinium generators</i>	2	1.2%	19	11.6%	87	53.0%	56	34.1%	164

**Table 8(d) All UK schools outside Scotland with under 500 pupils**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	2	7.7%	20	76.9%	4	15.4%	26
Q2	<i>Keeping giant African land snails</i>	0	0.0%	1	3.8%	21	80.8%	4	15.4%	26
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	1	3.8%	9	34.6%	16	61.5%	26
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	6	23.1%	20	76.9%	26
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	3	12.5%	8	33.3%	13	54.2%	24
Q6	<i>Dissection of eyeballs</i>	0	0.0%	2	8.0%	5	20.0%	18	72.0%	25
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	2	7.7%	24	92.3%	26
Q8	<i>Dissection of rats</i>	0	0.0%	0	0.0%	9	36.0%	16	64.0%	25
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	4.0%	0	0.0%	8	32.0%	16	64.0%	25
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	2	8.0%	15	60.0%	8	32.0%	25
Q11	<i>Pupils taking samples of their own blood</i>	4	16.7%	9	37.5%	10	41.7%	1	4.2%	24
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	4.0%	3	12.0%	8	32.0%	13	52.0%	25
Q13	<i>Burning peanuts in experiments</i>	0	0.0%	2	7.7%	14	53.8%	10	38.5%	26
Q14	<i>Using spirometers</i>	0	0.0%	1	4.0%	14	56.0%	10	40.0%	25
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	1	3.7%	17	63.0%	9	33.3%	27
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	1	4.0%	12	48.0%	12	48.0%	25
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	1	4.0%	10	40.0%	14	56.0%	25
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	0	0.0%	17	65.4%	9	34.6%	26
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	27	100.0%	27
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	1	3.8%	25	96.2%	26

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	6	22.2%	21	77.8%	27
Q22	<i>Use of benzene</i>	22	81.5%	3	11.1%	2	7.4%	0	0.0%	27
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	0	0.0%	14	53.8%	12	46.2%	26
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	0	0.0%	19	70.4%	8	29.6%	27
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	8	29.6%	19	70.4%	27
Q26	<i>Demonstrating ammonium dichromate volcano</i>	0	0.0%	0	0.0%	7	26.9%	19	73.1%	26
Q27	<i>Use of genuine crude oil</i>	16	61.5%	4	15.4%	6	23.1%	0	0.0%	26
Q28	<i>Use of naphthalene (moth balls)</i>	1	3.8%	3	11.5%	16	61.5%	6	23.1%	26
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	0	0.0%	8	30.8%	18	69.2%	26
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	1	3.8%	25	96.2%	26
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	12	44.4%	15	55.6%	27
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	6	25.0%	13	54.2%	5	20.8%	24
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	1	4.3%	15	65.2%	7	30.4%	23
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	1	3.8%	25	96.2%	26
Q35	<i>Use of stroboscopes</i>	0	0.0%	1	3.8%	5	19.2%	20	76.9%	26
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	0	0.0%	26	100.0%	26
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	3	11.5%	4	15.4%	19	73.1%	26
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	8	32.0%	10	40.0%	7	28.0%	25
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	6	23.1%	20	76.9%	26
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	0	0.0%	13	54.2%	11	45.8%	24

**Table 8(e) UK schools outside Scotland with 500-999 pupils**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	4	3.1%	97	75.8%	27	21.1%	128
Q2	<i>Keeping giant African land snails</i>	0	0.0%	10	7.9%	103	81.7%	13	10.3%	126
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	7	5.4%	25	19.4%	97	75.2%	129
Q4	<i>Using a choice chamber with woodlice</i>	1	0.8%	1	0.8%	16	12.3%	112	86.2%	130
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	21	16.4%	79	61.7%	28	21.9%	128
Q6	<i>Dissection of eyeballs</i>	2	1.5%	14	10.7%	30	22.9%	85	64.9%	131
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	5	3.8%	125	96.2%	130
Q8	<i>Dissection of rats</i>	0	0.0%	12	9.6%	84	67.2%	29	23.2%	125
Q9	<i>Pupils taking samples of their own cheek cells</i>	2	1.5%	27	20.6%	24	18.3%	78	59.5%	131
Q10	<i>Pupils using their own saliva in experiments</i>	1	0.8%	32	24.8%	57	44.2%	39	30.2%	129
Q11	<i>Pupils taking samples of their own blood</i>	17	13.4%	63	49.6%	43	33.9%	4	3.1%	127
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	11	8.6%	20	15.6%	97	75.8%	128
Q13	<i>Burning peanuts in experiments</i>	2	1.6%	28	21.7%	69	53.5%	30	23.3%	129
Q14	<i>Using spirometers</i>	0	0.0%	1	0.8%	60	48.4%	63	50.8%	124
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	11	8.9%	44	35.5%	69	55.6%	124
Q16	<i>Exploding cans containing methane / air mixtures</i>	2	1.6%	22	17.5%	55	43.7%	47	37.3%	126
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	1	0.8%	8	6.2%	39	30.0%	82	63.1%	130
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	11	9.1%	73	60.3%	37	30.6%	121
Q19	<i>Dropping potassium into water</i>	0	0.0%	1	0.8%	0	0.0%	131	99.2%	132
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	1	0.8%	9	6.8%	122	92.4%	132

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	2	1.5%	13	9.9%	116	88.5%	131
Q22	<i>Use of benzene</i>	60	46.2%	64	49.2%	6	4.6%	0	0.0%	130
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	11	8.9%	74	59.7%	39	31.5%	124
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	14	11.0%	67	52.8%	46	36.2%	127
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	5	3.8%	39	29.8%	87	66.4%	131
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	0.8%	12	9.4%	48	37.5%	67	52.3%	128
Q27	<i>Use of genuine crude oil</i>	50	39.1%	64	50.0%	11	8.6%	3	2.3%	128
Q28	<i>Use of naphthalene (moth balls)</i>	4	3.3%	36	30.0%	64	53.3%	16	13.3%	120
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	0.8%	8	6.7%	68	56.7%	43	35.8%	120
Q30	<i>Use of mercury thermometers</i>	1	0.8%	8	6.1%	32	24.2%	91	68.9%	132
Q31	<i>Use of model steam engines</i>	0	0.0%	1	0.8%	26	20.0%	103	79.2%	130
Q32	<i>Use of air rifles in momentum demonstrations</i>	2	1.6%	33	26.6%	76	61.3%	13	10.5%	124
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	0.8%	13	11.0%	78	66.1%	26	22.0%	118
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	4	3.1%	125	96.9%	129
Q35	<i>Use of stroboscopes</i>	1	0.8%	6	4.7%	44	34.6%	76	59.8%	127
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	0.8%	1	0.8%	127	98.4%	129
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	0.8%	10	8.1%	45	36.6%	67	54.5%	123
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	1	0.8%	35	29.4%	47	39.5%	36	30.3%	119
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	2	1.6%	15	11.7%	111	86.7%	128
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	12	10.3%	74	63.2%	31	26.5%	117

**Table 8(f) UK schools outside Scotland with over 1000 pupils**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	6	4.4%	104	75.9%	27	19.7%	137
Q2	<i>Keeping giant African land snails</i>	0	0.0%	11	8.1%	100	74.1%	24	17.8%	135
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	9	6.5%	15	10.8%	115	82.7%	139
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	13	9.5%	124	90.5%	137
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	0.7%	18	13.3%	75	55.6%	41	30.4%	135
Q6	<i>Dissection of eyeballs</i>	6	4.3%	9	6.5%	37	26.6%	87	62.6%	139
Q7	<i>Dissection of hearts</i>	0	0.0%	1	0.7%	1	0.7%	137	98.6%	139
Q8	<i>Dissection of rats</i>	0	0.0%	8	6.0%	67	50.0%	59	44.0%	134
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	0.7%	16	11.6%	40	29.0%	81	58.7%	138
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	33	23.9%	71	51.4%	34	24.6%	138
Q11	<i>Pupils taking samples of their own blood</i>	21	15.4%	63	46.3%	47	34.6%	5	3.7%	136
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	13	9.5%	25	18.2%	99	72.3%	137
Q13	<i>Burning peanuts in experiments</i>	4	2.9%	25	18.4%	72	52.9%	35	25.7%	136
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	57	41.9%	79	58.1%	136
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	8	6.0%	44	32.8%	82	61.2%	134
Q16	<i>Exploding cans containing methane / air mixtures</i>	1	0.8%	10	7.9%	55	43.7%	60	47.6%	126
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	1	0.7%	9	6.5%	41	29.7%	87	63.0%	138
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	4	3.0%	90	68.2%	38	28.8%	132
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	1	0.7%	138	99.3%	139
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	7	5.0%	132	95.0%	139

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	1	0.7%	10	7.2%	128	92.1%	139
Q22	<i>Use of benzene</i>	78	57.4%	53	39.0%	4	2.9%	1	0.7%	136
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	5	3.8%	71	53.8%	56	42.4%	132
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	0.7%	14	10.4%	64	47.4%	56	41.5%	135
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	2	1.5%	47	34.8%	86	63.7%	135
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	1.5%	14	10.4%	57	42.2%	62	45.9%	135
Q27	<i>Use of genuine crude oil</i>	64	47.4%	52	38.5%	16	11.9%	3	2.2%	135
Q28	<i>Use of naphthalene (moth balls)</i>	6	4.5%	30	22.4%	81	60.4%	17	12.7%	134
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	1.5%	6	4.5%	62	47.0%	62	47.0%	132
Q30	<i>Use of mercury thermometers</i>	0	0.0%	1	0.7%	29	21.6%	104	77.6%	134
Q31	<i>Use of model steam engines</i>	0	0.0%	3	2.2%	22	15.8%	114	82.0%	139
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	36	27.1%	78	58.6%	19	14.3%	133
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	15	11.4%	92	69.7%	25	18.9%	132
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	2	1.4%	7	5.0%	130	93.5%	139
Q35	<i>Use of stroboscopes</i>	0	0.0%	2	1.5%	40	29.4%	94	69.1%	136
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	1	0.7%	137	99.3%	138
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	5	3.6%	31	22.3%	103	74.1%	139
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	5	3.7%	29	21.5%	58	43.0%	43	31.9%	135
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	2	1.4%	137	98.6%	139
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	8	5.9%	79	58.5%	48	35.6%	135

**Table 8(g) Schools in Scotland with under 500 pupils**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	10	32.3%	17	54.8%	4	12.9%	31
Q2	<i>Keeping giant African land snails</i>	0	0.0%	8	26.7%	20	66.7%	2	6.7%	30
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	7	22.6%	11	35.5%	13	41.9%	31
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	1	3.2%	30	96.8%	31
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	2	6.9%	10	34.5%	7	24.1%	10	34.5%	29
Q6	<i>Dissection of eyeballs</i>	1	3.2%	15	48.4%	8	25.8%	7	22.6%	31
Q7	<i>Dissection of hearts</i>	0	0.0%	4	12.9%	6	19.4%	21	67.7%	31
Q8	<i>Dissection of rats</i>	1	3.3%	8	26.7%	19	63.3%	2	6.7%	30
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	3.3%	8	26.7%	3	10.0%	18	60.0%	30
Q10	<i>Pupils using their own saliva in experiments</i>	2	6.5%	16	51.6%	5	16.1%	8	25.8%	31
Q11	<i>Pupils taking samples of their own blood</i>	4	12.9%	26	83.9%	1	3.2%	0	0.0%	31
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	3	10.0%	8	26.7%	19	63.3%	30
Q13	<i>Burning peanuts in experiments</i>	0	0.0%	3	9.7%	5	16.1%	23	74.2%	31
Q14	<i>Using spirometers</i>	0	0.0%	1	3.6%	8	28.6%	19	67.9%	28
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	0	0.0%	1	3.2%	30	96.8%	31
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	0	0.0%	15	48.4%	16	51.6%	31
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	1	3.3%	12	40.0%	17	56.7%	30
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	0	0.0%	22	73.3%	8	26.7%	30
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	31	100.0%	31
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	1	3.2%	30	96.8%	31

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	2	7.1%	18	64.3%	8	28.6%	28
Q22	<i>Use of benzene</i>	8	25.8%	18	58.1%	5	16.1%	0	0.0%	31
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	2	6.5%	15	48.4%	14	45.2%	31
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	8	26.7%	15	50.0%	7	23.3%	30
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	1	3.3%	16	53.3%	13	43.3%	30
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	3.2%	4	12.9%	12	38.7%	14	45.2%	31
Q27	<i>Use of genuine crude oil</i>	3	9.7%	16	51.6%	6	19.4%	6	19.4%	31
Q28	<i>Use of naphthalene (moth balls)</i>	0	0.0%	8	28.6%	16	57.1%	4	14.3%	28
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	0	0.0%	18	62.1%	11	37.9%	29
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	10	33.3%	20	66.7%	30
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	4	13.3%	26	86.7%	30
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	12	40.0%	16	53.3%	2	6.7%	30
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	8	28.6%	15	53.6%	5	17.9%	28
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	1	3.3%	1	3.3%	28	93.3%	30
Q35	<i>Use of stroboscopes</i>	0	0.0%	3	10.7%	10	35.7%	15	53.6%	28
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	4	14.3%	24	85.7%	28
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	0	0.0%	5	17.2%	24	82.8%	29
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	16	55.2%	9	31.0%	4	13.8%	29
Q39	<i>Demonstrations using sealed radioactive sources</i>	1	3.4%	2	6.9%	11	37.9%	15	51.7%	29
Q40	<i>Demonstrations using protactinium generators</i>	1	3.7%	4	14.8%	20	74.1%	2	7.4%	27

**Table 8(h) Schools in Scotland with 500-999 pupils**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	1	2.7%	5	13.5%	28	75.7%	3	8.1%	37
Q2	<i>Keeping giant African land snails</i>	2	5.6%	4	11.1%	25	69.4%	5	13.9%	36
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	2.6%	9	23.7%	11	28.9%	17	44.7%	38
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	2	5.6%	34	94.4%	36
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	2	5.6%	12	33.3%	20	55.6%	2	5.6%	36
Q6	<i>Dissection of eyeballs</i>	4	10.5%	23	60.5%	9	23.7%	2	5.3%	38
Q7	<i>Dissection of hearts</i>	1	2.6%	5	12.8%	6	15.4%	27	69.2%	39
Q8	<i>Dissection of rats</i>	3	8.3%	14	38.9%	18	50.0%	1	2.8%	36
Q9	<i>Pupils taking samples of their own cheek cells</i>	2	5.3%	8	21.1%	5	13.2%	23	60.5%	38
Q10	<i>Pupils using their own saliva in experiments</i>	3	7.7%	17	43.6%	11	28.2%	8	20.5%	39
Q11	<i>Pupils taking samples of their own blood</i>	11	27.5%	27	67.5%	2	5.0%	0	0.0%	40
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	2.8%	15	41.7%	8	22.2%	12	33.3%	36
Q13	<i>Burning peanuts in experiments</i>	1	2.4%	4	9.8%	19	46.3%	17	41.5%	41
Q14	<i>Using spirometers</i>	0	0.0%	1	3.2%	10	32.3%	20	64.5%	31
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	1	2.4%	0	0.0%	40	97.6%	41
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	1	2.5%	8	20.0%	31	77.5%	40
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	4	9.8%	8	19.5%	29	70.7%	41
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	2.8%	4	11.1%	25	69.4%	6	16.7%	36
Q19	<i>Dropping potassium into water</i>	0	0.0%	6	15.0%	0	0.0%	34	85.0%	40
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	1	2.6%	4	10.3%	34	87.2%	39

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	1	2.6%	6	15.8%	21	55.3%	10	26.3%	38
Q22	<i>Use of benzene</i>	15	37.5%	24	60.0%	0	0.0%	1	2.5%	40
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	5	13.9%	16	44.4%	15	41.7%	36
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	2.6%	10	26.3%	23	60.5%	4	10.5%	38
Q25	<i>Using bromine in diffusion demonstrations</i>	1	2.8%	7	19.4%	13	36.1%	15	41.7%	36
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	2.7%	14	37.8%	13	35.1%	9	24.3%	37
Q27	<i>Use of genuine crude oil</i>	9	22.5%	17	42.5%	5	12.5%	9	22.5%	40
Q28	<i>Use of naphthalene (moth balls)</i>	3	8.3%	12	33.3%	17	47.2%	4	11.1%	36
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	2.8%	4	11.1%	13	36.1%	18	50.0%	36
Q30	<i>Use of mercury thermometers</i>	0	0.0%	7	17.9%	10	25.6%	22	56.4%	39
Q31	<i>Use of model steam engines</i>	0	0.0%	2	5.3%	9	23.7%	27	71.1%	38
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	13	37.1%	15	42.9%	7	20.0%	35
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	8	23.5%	21	61.8%	5	14.7%	34
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	0	0.0%	38	100.0%	38
Q35	<i>Use of stroboscopes</i>	0	0.0%	1	2.9%	10	28.6%	24	68.6%	35
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	1	2.7%	36	97.3%	37
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	2	5.7%	1	2.9%	32	91.4%	35
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	3	9.1%	16	48.5%	5	15.2%	9	27.3%	33
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	16	43.2%	21	56.8%	37
Q40	<i>Demonstrations using protactinium generators</i>	1	2.9%	10	29.4%	21	61.8%	2	5.9%	34

**Table 8(i) Schools in Scotland with over 1000 pupils**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	13	39.4%	16	48.5%	4	12.1%	33
Q2	<i>Keeping giant African land snails</i>	0	0.0%	10	34.5%	13	44.8%	6	20.7%	29
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	10	31.3%	5	15.6%	17	53.1%	32
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	3	9.1%	30	90.9%	33
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	3.4%	10	34.5%	14	48.3%	4	13.8%	29
Q6	<i>Dissection of eyeballs</i>	1	3.2%	17	54.8%	5	16.1%	8	25.8%	31
Q7	<i>Dissection of hearts</i>	0	0.0%	7	22.6%	3	9.7%	21	67.7%	31
Q8	<i>Dissection of rats</i>	1	3.2%	17	54.8%	12	38.7%	1	3.2%	31
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	3.1%	12	37.5%	6	18.8%	13	40.6%	32
Q10	<i>Pupils using their own saliva in experiments</i>	1	2.9%	20	58.8%	7	20.6%	6	17.6%	34
Q11	<i>Pupils taking samples of their own blood</i>	2	5.9%	28	82.4%	4	11.8%	0	0.0%	34
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	3.1%	10	31.3%	12	37.5%	9	28.1%	32
Q13	<i>Burning peanuts in experiments</i>	0	0.0%	9	25.0%	15	41.7%	12	33.3%	36
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	8	30.8%	18	69.2%	26
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	0	0.0%	1	2.9%	34	97.1%	35
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	0	0.0%	5	15.2%	28	84.8%	33
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	0	0.0%	13	38.2%	21	61.8%	34
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	3	8.8%	23	67.6%	8	23.5%	34
Q19	<i>Dropping potassium into water</i>	0	0.0%	4	11.8%	2	5.9%	28	82.4%	34
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	1	2.9%	4	11.4%	30	85.7%	35

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	1	3.2%	5	16.1%	17	54.8%	8	25.8%	31
Q22	<i>Use of benzene</i>	11	32.4%	20	58.8%	3	8.8%	0	0.0%	34
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	9	29.0%	10	32.3%	12	38.7%	31
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	14	43.8%	12	37.5%	6	18.8%	32
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	7	23.3%	16	53.3%	7	23.3%	30
Q26	<i>Demonstrating ammonium dichromate volcano</i>	0	0.0%	13	40.6%	10	31.3%	9	28.1%	32
Q27	<i>Use of genuine crude oil</i>	3	9.1%	25	75.8%	3	9.1%	2	6.1%	33
Q28	<i>Use of naphthalene (moth balls)</i>	2	6.5%	20	64.5%	7	22.6%	2	6.5%	31
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	4	14.3%	8	28.6%	16	57.1%	28
Q30	<i>Use of mercury thermometers</i>	0	0.0%	4	12.5%	2	6.3%	26	81.3%	32
Q31	<i>Use of model steam engines</i>	0	0.0%	3	9.1%	4	12.1%	26	78.8%	33
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	13	44.8%	13	44.8%	3	10.3%	29
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	3	11.1%	15	55.6%	9	33.3%	27
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	1	3.2%	30	96.8%	31
Q35	<i>Use of stroboscopes</i>	0	0.0%	4	13.3%	8	26.7%	18	60.0%	30
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	2	6.5%	29	93.5%	31
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	3.4%	1	3.4%	2	6.9%	25	86.2%	29
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	2	6.9%	13	44.8%	7	24.1%	7	24.1%	29
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	3.2%	9	29.0%	21	67.7%	31
Q40	<i>Demonstrations using protactinium generators</i>	2	6.9%	11	37.9%	8	27.6%	8	27.6%	29

## Appendix 9 Type of respondent

**Table 9(a) All UK schools' responses by teachers**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	1	0.5%	32	16.3%	131	66.8%	32	16.3%	196
Q2	<i>Keeping giant African land snails</i>	2	1.1%	28	14.8%	131	69.3%	28	14.8%	189
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	0.5%	27	13.6%	43	21.6%	128	64.3%	199
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	1	0.5%	21	10.6%	177	88.9%	199
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	4	2.1%	47	24.4%	90	46.6%	52	26.9%	193
Q6	<i>Dissection of eyeballs</i>	6	3.0%	60	30.0%	47	23.5%	87	43.5%	200
Q7	<i>Dissection of hearts</i>	1	0.5%	15	7.5%	16	8.0%	169	84.1%	201
Q8	<i>Dissection of rats</i>	3	1.6%	43	22.8%	103	54.5%	40	21.2%	189
Q9	<i>Pupils taking samples of their own cheek cells</i>	3	1.5%	51	25.6%	39	19.6%	106	53.3%	199
Q10	<i>Pupils using their own saliva in experiments</i>	5	2.5%	83	40.9%	70	34.5%	45	22.2%	203
Q11	<i>Pupils taking samples of their own blood</i>	25	12.3%	144	70.9%	30	14.8%	4	2.0%	203
Q12	<i>Incubating "finger dabs" on agar plates</i>	2	1.0%	45	22.8%	47	23.9%	103	52.3%	197
Q13	<i>Burning peanuts in experiments</i>	3	1.4%	40	19.3%	86	41.5%	78	37.7%	207
Q14	<i>Using spirometers</i>	0	0.0%	2	1.1%	65	36.5%	111	62.4%	178
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	8	3.9%	44	21.4%	154	74.8%	206
Q16	<i>Exploding cans containing methane / air mixtures</i>	2	1.0%	12	6.0%	72	35.8%	115	57.2%	201
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	1	0.5%	10	4.8%	61	29.3%	136	65.4%	208
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	0.5%	12	6.1%	137	69.5%	47	23.9%	197
Q19	<i>Dropping potassium into water</i>	0	0.0%	10	4.8%	1	0.5%	197	94.7%	208
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	3	1.4%	17	8.2%	188	90.4%	208

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	1	0.5%	13	6.5%	55	27.4%	132	65.7%	201
Q22	<i>Use of benzene</i>	76	36.7%	114	55.1%	16	7.7%	1	0.5%	207
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	22	11.3%	93	47.9%	79	40.7%	194
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	37	18.8%	108	54.8%	52	26.4%	197
Q25	<i>Using bromine in diffusion demonstrations</i>	1	0.5%	18	9.1%	71	35.9%	108	54.5%	198
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	1.0%	39	19.5%	64	32.0%	95	47.5%	200
Q27	<i>Use of genuine crude oil</i>	47	23.3%	108	53.5%	28	13.9%	19	9.4%	202
Q28	<i>Use of naphthalene (moth balls)</i>	8	4.3%	66	35.3%	92	49.2%	21	11.2%	187
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	1.1%	16	8.5%	91	48.4%	79	42.0%	188
Q30	<i>Use of mercury thermometers</i>	1	0.5%	15	7.4%	33	16.3%	153	75.7%	202
Q31	<i>Use of model steam engines</i>	0	0.0%	7	3.5%	42	20.8%	153	75.7%	202
Q32	<i>Use of air rifles in momentum demonstrations</i>	1	0.5%	63	33.5%	97	51.6%	27	14.4%	188
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	0.6%	22	12.2%	113	62.8%	44	24.4%	180
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	3	1.5%	5	2.5%	190	96.0%	198
Q35	<i>Use of stroboscopes</i>	1	0.5%	13	6.8%	60	31.4%	117	61.3%	191
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	0.5%	6	3.1%	189	96.4%	196
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	2	1.1%	10	5.3%	33	17.4%	145	76.3%	190
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	7	3.8%	73	39.5%	60	32.4%	45	24.3%	185
Q39	<i>Demonstrations using sealed radioactive sources</i>	1	0.5%	3	1.5%	41	20.8%	152	77.2%	197
Q40	<i>Demonstrations using protactinium generators</i>	4	2.2%	27	15.0%	103	57.2%	46	25.6%	180

Table 9(b)

## All UK schools' responses by Technicians

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	5	2.8%	143	79.4%	32	17.8%	180
Q2	<i>Keeping giant African land snails</i>	0	0.0%	13	7.3%	140	79.1%	24	13.6%	177
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	10	5.6%	30	16.7%	140	77.8%	180
Q4	<i>Using a choice chamber with woodlice</i>	1	0.6%	0	0.0%	19	10.7%	158	88.8%	178
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	2	1.2%	23	13.3%	106	61.3%	42	24.3%	173
Q6	<i>Dissection of eyeballs</i>	8	4.5%	15	8.4%	43	24.0%	113	63.1%	179
Q7	<i>Dissection of hearts</i>	0	0.0%	1	0.6%	7	3.9%	171	95.5%	179
Q8	<i>Dissection of rats</i>	1	0.6%	15	8.5%	97	54.8%	64	36.2%	177
Q9	<i>Pupils taking samples of their own cheek cells</i>	4	2.2%	17	9.5%	45	25.1%	113	63.1%	179
Q10	<i>Pupils using their own saliva in experiments</i>	2	1.1%	31	17.4%	92	51.7%	53	29.8%	178
Q11	<i>Pupils taking samples of their own blood</i>	32	18.4%	61	35.1%	75	43.1%	6	3.4%	174
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	0.6%	8	4.5%	26	14.8%	141	80.1%	176
Q13	<i>Burning peanuts in experiments</i>	3	1.7%	28	15.9%	103	58.5%	42	23.9%	176
Q14	<i>Using spirometers</i>	0	0.0%	2	1.1%	89	50.3%	86	48.6%	177
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	12	7.0%	62	36.3%	97	56.7%	171
Q16	<i>Exploding cans containing methane / air mixtures</i>	1	0.6%	22	13.4%	72	43.9%	69	42.1%	164
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	1	0.6%	13	7.5%	58	33.3%	102	58.6%	174
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	9	5.4%	102	61.4%	55	33.1%	166
Q19	<i>Dropping potassium into water</i>	0	0.0%	1	0.6%	2	1.1%	176	98.3%	179
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	8	4.5%	170	95.5%	178

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	1	0.6%	3	1.7%	25	14.0%	149	83.7%	178
Q22	<i>Use of benzene</i>	110	62.9%	60	34.3%	4	2.3%	1	0.6%	175
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	9	5.3%	102	59.6%	60	35.1%	171
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	0.6%	19	10.8%	89	50.6%	67	38.1%	176
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	4	2.3%	64	36.4%	108	61.4%	176
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	1.2%	14	8.1%	81	46.8%	76	43.9%	173
Q27	<i>Use of genuine crude oil</i>	92	52.6%	62	35.4%	18	10.3%	3	1.7%	175
Q28	<i>Use of naphthalene (moth balls)</i>	8	4.6%	38	21.8%	101	58.0%	27	15.5%	174
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	1.2%	4	2.4%	82	48.5%	81	47.9%	169
Q30	<i>Use of mercury thermometers</i>	0	0.0%	5	2.9%	48	27.4%	122	69.7%	175
Q31	<i>Use of model steam engines</i>	0	0.0%	2	1.1%	35	19.6%	142	79.3%	179
Q32	<i>Use of air rifles in momentum demonstrations</i>	1	0.6%	45	26.3%	104	60.8%	21	12.3%	171
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	24	14.3%	115	68.5%	29	17.3%	168
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	9	5.0%	170	95.0%	179
Q35	<i>Use of stroboscopes</i>	0	0.0%	3	1.7%	51	29.1%	121	69.1%	175
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	2	1.1%	176	98.9%	178
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	10	5.7%	48	27.3%	118	67.0%	176
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	4	2.3%	39	22.8%	71	41.5%	57	33.3%	171
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	0.6%	15	8.5%	161	91.0%	177
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	13	7.6%	106	62.4%	51	30.0%	170

Table 9(c)

## All UK schools' responses by Others

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	3	18.8%	8	50.0%	5	31.3%	16
Q2	<i>Keeping giant African land snails</i>	0	0.0%	3	18.8%	11	68.8%	2	12.5%	16
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	6	37.5%	3	18.8%	7	43.8%	16
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	1	6.3%	15	93.8%	16
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	4	26.7%	7	46.7%	4	26.7%	15
Q6	<i>Dissection of eyeballs</i>	0	0.0%	5	31.3%	4	25.0%	7	43.8%	16
Q7	<i>Dissection of hearts</i>	0	0.0%	1	6.3%	0	0.0%	15	93.8%	16
Q8	<i>Dissection of rats</i>	1	6.7%	1	6.7%	9	60.0%	4	26.7%	15
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	6.3%	3	18.8%	2	12.5%	10	62.5%	16
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	6	40.0%	4	26.7%	5	33.3%	15
Q11	<i>Pupils taking samples of their own blood</i>	2	13.3%	11	73.3%	2	13.3%	0	0.0%	15
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	2	13.3%	8	53.3%	5	33.3%	15
Q13	<i>Burning peanuts in experiments</i>	1	6.3%	3	18.8%	5	31.3%	7	43.8%	16
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	3	20.0%	12	80.0%	15
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	1	6.7%	1	6.7%	13	86.7%	15
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	0	0.0%	6	37.5%	10	62.5%	16
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	0	0.0%	4	25.0%	12	75.0%	16
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	1	6.3%	11	68.8%	4	25.0%	16
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	16	100.0%	16
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	1	6.3%	15	93.8%	16
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	5	33.3%	10	66.7%	15

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q22	<i>Use of benzene</i>	8	50.0%	8	50.0%	0	0.0%	0	0.0%	16
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	1	6.7%	5	33.3%	9	60.0%	15
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	6.3%	4	25.0%	3	18.8%	8	50.0%	16
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	4	26.7%	11	73.3%	15
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	6.3%	4	25.0%	2	12.5%	9	56.3%	16
Q27	<i>Use of genuine crude oil</i>	6	37.5%	8	50.0%	1	6.3%	1	6.3%	16
Q28	<i>Use of naphthalene (moth balls)</i>	0	0.0%	5	35.7%	8	57.1%	1	7.1%	14
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	2	14.3%	4	28.6%	8	57.1%	14
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	3	18.8%	13	81.3%	16
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	0	0.0%	16	100.0%	16
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	5	31.3%	10	62.5%	1	6.3%	16
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	2	14.3%	8	57.1%	4	28.6%	14
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	0	0.0%	16	100.0%	16
Q35	<i>Use of stroboscopes</i>	0	0.0%	1	6.3%	6	37.5%	9	56.3%	16
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	1	6.7%	14	93.3%	15
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	1	6.7%	7	46.7%	7	46.7%	15
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	5	35.7%	5	35.7%	4	28.6%	14
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	6.3%	3	18.8%	12	75.0%	16
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	5	31.3%	6	37.5%	5	31.3%	16

**Table 9(d) UK schools outside Scotland responses by Teachers**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	7	6.5%	77	71.3%	24	22.2%	108
Q2	<i>Keeping giant African land snails</i>	0	0.0%	9	8.5%	80	75.5%	17	16.0%	106
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	6	5.4%	20	18.0%	85	76.6%	111
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	1	0.9%	15	13.4%	96	85.7%	112
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	20	18.2%	53	48.2%	37	33.6%	110
Q6	<i>Dissection of eyeballs</i>	0	0.0%	13	11.5%	28	24.8%	72	63.7%	113
Q7	<i>Dissection of hearts</i>	0	0.0%	1	0.9%	3	2.7%	109	96.5%	113
Q8	<i>Dissection of rats</i>	0	0.0%	8	7.6%	61	58.1%	36	34.3%	105
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	0.9%	26	23.2%	26	23.2%	59	52.7%	112
Q10	<i>Pupils using their own saliva in experiments</i>	1	0.9%	36	32.1%	49	43.8%	26	23.2%	112
Q11	<i>Pupils taking samples of their own blood</i>	11	9.9%	71	64.0%	25	22.5%	4	3.6%	111
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	19	17.1%	23	20.7%	69	62.2%	111
Q13	<i>Burning peanuts in experiments</i>	2	1.8%	27	24.1%	51	45.5%	32	28.6%	112
Q14	<i>Using spirometers</i>	0	0.0%	1	1.0%	42	40.0%	62	59.0%	105
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	7	6.3%	42	37.5%	63	56.3%	112
Q16	<i>Exploding cans containing methane / air mixtures</i>	2	1.8%	12	10.9%	49	44.5%	47	42.7%	110
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	1	0.9%	6	5.2%	30	25.9%	79	68.1%	116
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	6	5.5%	75	68.8%	28	25.7%	109
Q19	<i>Dropping potassium into water</i>	0	0.0%	1	0.9%	0	0.0%	115	99.1%	116
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	1	0.9%	9	7.8%	106	91.4%	116

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	1	0.9%	7	6.1%	107	93.0%	115
Q22	<i>Use of benzene</i>	46	40.0%	61	53.0%	8	7.0%	0	0.2%	115
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	8	7.3%	55	50.5%	46	42.2%	109
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	12	10.9%	62	56.4%	36	32.7%	110
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	3	2.6%	31	27.0%	81	70.4%	115
Q26	<i>Demonstrating ammonium dichromate volcano</i>	2	1.8%	12	10.6%	32	28.3%	67	59.3%	113
Q27	<i>Use of genuine crude oil</i>	35	31.5%	59	53.2%	15	13.5%	2	1.8%	111
Q28	<i>Use of naphthalene (moth balls)</i>	4	3.8%	34	32.4%	55	52.4%	12	11.4%	105
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	0.9%	8	7.5%	55	51.4%	43	40.2%	107
Q30	<i>Use of mercury thermometers</i>	1	0.9%	6	5.3%	13	11.4%	94	82.5%	114
Q31	<i>Use of model steam engines</i>	0	0.0%	2	1.8%	26	22.8%	86	75.4%	114
Q32	<i>Use of air rifles in momentum demonstrations</i>	1	0.9%	30	28.3%	58	54.7%	17	16.0%	106
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	1.0%	6	5.9%	68	66.7%	27	26.5%	102
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	2	1.8%	3	2.7%	107	95.5%	112
Q35	<i>Use of stroboscopes</i>	1	0.9%	7	6.3%	35	31.5%	68	61.3%	111
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	1	0.9%	0	0.0%	111	99.1%	112
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	0.9%	7	6.5%	26	24.1%	74	68.5%	108
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	2	1.9%	35	33.3%	40	38.1%	28	26.7%	105
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	0.9%	10	8.8%	102	90.3%	113
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	8	7.8%	58	56.3%	37	35.9%	103

**Table 9(e) UK schools outside Scotland responses by Technicians**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	4	2.3%	139	80.3%	30	17.3%	173
Q2	<i>Keeping giant African land snails</i>	0	0.0%	12	7.0%	137	80.1%	22	12.9%	171
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	9	5.2%	27	15.6%	137	79.2%	173
Q4	<i>Using a choice chamber with woodlice</i>	1	0.6%	0	0.0%	19	11.1%	151	88.3%	171
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	0.6%	21	12.6%	103	61.7%	42	25.1%	167
Q6	<i>Dissection of eyeballs</i>	8	4.7%	11	6.4%	41	23.8%	112	65.1%	172
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	5	2.9%	167	97.1%	172
Q8	<i>Dissection of rats</i>	0	0.0%	12	7.1%	94	55.3%	64	37.6%	170
Q9	<i>Pupils taking samples of their own cheek cells</i>	2	1.2%	16	9.3%	44	25.6%	110	64.0%	172
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	28	16.4%	90	52.6%	53	31.0%	171
Q11	<i>Pupils taking samples of their own blood</i>	30	18.0%	58	34.7%	73	43.7%	6	3.6%	167
Q12	<i>Incubating "finger dabs" on agar plates</i>	1	0.6%	6	3.6%	25	14.8%	137	81.1%	169
Q13	<i>Burning peanuts in experiments</i>	3	1.8%	26	15.4%	100	59.2%	40	23.7%	169
Q14	<i>Using spirometers</i>	0	0.0%	1	0.6%	87	51.2%	82	48.2%	170
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	12	7.3%	62	37.8%	90	54.9%	164
Q16	<i>Exploding cans containing methane / air mixtures</i>	1	0.6%	21	13.4%	69	43.9%	66	42.0%	157
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	1	0.6%	12	7.2%	57	34.1%	97	58.1%	167
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	9	5.6%	97	60.6%	54	33.8%	160
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	1	0.6%	171	99.4%	172
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	7	4.1%	164	95.9%	171
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	2	1.2%	21	12.2%	149	86.6%	172

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q22	<i>Use of benzene</i>	107	63.7%	56	33.3%	4	2.4%	1	0.6%	168
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	7	4.3%	99	60.4%	58	35.4%	164
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	15	8.9%	87	51.5%	67	39.6%	169
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	4	2.4%	62	36.7%	103	60.9%	169
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	0.6%	13	7.8%	78	47.0%	74	44.6%	166
Q27	<i>Use of genuine crude oil</i>	90	53.6%	58	34.5%	17	10.1%	3	1.8%	168
Q28	<i>Use of naphthalene (moth balls)</i>	7	4.2%	34	20.4%	100	59.9%	26	15.6%	167
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	2	1.2%	4	2.5%	80	49.4%	76	46.9%	162
Q30	<i>Use of mercury thermometers</i>	0	0.0%	3	1.8%	47	28.0%	118	70.2%	168
Q31	<i>Use of model steam engines</i>	0	0.0%	2	1.2%	34	19.8%	136	79.1%	172
Q32	<i>Use of air rifles in momentum demonstrations</i>	1	0.6%	42	25.5%	102	61.8%	20	12.1%	165
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	22	13.6%	112	69.1%	28	17.3%	162
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	9	5.2%	163	94.8%	172
Q35	<i>Use of stroboscopes</i>	0	0.0%	2	1.2%	50	29.8%	116	69.0%	168
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	2	1.2%	169	98.8%	171
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	10	5.9%	48	28.2%	112	65.9%	170
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	4	2.4%	36	21.8%	70	42.4%	55	33.3%	165
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	0.6%	12	7.1%	157	92.4%	170
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	10	6.1%	104	63.8%	49	30.1%	163

**Table 9(f) UK schools outside Scotland responses by Others**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	1	10.0%	5	50.0%	4	40.0%	10
Q2	<i>Keeping giant African land snails</i>	0	0.0%	1	10.0%	7	70.0%	2	20.0%	10
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	2	20.0%	2	20.0%	6	60.0%	10
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	1	10.0%	9	90.0%	10
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	1	10.0%	6	60.0%	3	30.0%	10
Q6	<i>Dissection of eyeballs</i>	0	0.0%	1	10.0%	3	30.0%	6	60.0%	10
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	0	0.0%	10	100.0%	10
Q8	<i>Dissection of rats</i>	0	0.0%	0	0.0%	5	55.6%	4	44.4%	9
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	10.0%	1	10.0%	2	20.0%	6	60.0%	10
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	3	33.3%	4	44.4%	2	22.2%	9
Q11	<i>Pupils taking samples of their own blood</i>	1	11.1%	6	66.7%	2	22.2%	0	0.0%	9
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	2	20.0%	5	50.0%	3	30.0%	10
Q13	<i>Burning peanuts in experiments</i>	1	10.0%	2	20.0%	4	40.0%	3	30.0%	10
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	2	20.0%	8	80.0%	10
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	1	11.1%	1	11.1%	7	77.8%	9
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	0	0.0%	4	40.0%	6	60.0%	10
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	0	0.0%	3	30.0%	7	70.0%	10
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	0	0.0%	8	80.0%	2	20.0%	10
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	10	100.0%	10
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	1	10.0%	9	90.0%	10

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	1	10.0%	9	90.0%	10
Q22	<i>Use of benzene</i>	7	70.0%	3	30.0%	0	0.0%	0	0.0%	10
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	1	11.1%	5	55.6%	3	33.3%	9
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	10.0%	1	10.0%	1	10.0%	7	70.0%	10
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	1	11.1%	8	88.9%	9
Q26	<i>Demonstrating ammonium dichromate volcano</i>	0	0.0%	1	10.0%	2	20.0%	7	70.0%	10
Q27	<i>Use of genuine crude oil</i>	5	50.0%	3	30.0%	1	10.0%	1	10.0%	10
Q28	<i>Use of naphthalene (moth balls)</i>	0	0.0%	1	12.5%	6	75.0%	1	12.5%	8
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	2	22.2%	3	33.3%	4	44.4%	9
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	2	20.0%	8	80.0%	10
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	0	0.0%	10	100.0%	10
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	3	30.0%	7	70.0%	0	0.0%	10
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	1	11.1%	5	55.6%	3	33.3%	9
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	0	0.0%	10	100.0%	10
Q35	<i>Use of stroboscopes</i>	0	0.0%	0	0.0%	4	40.0%	6	60.0%	10
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	0	0.0%	10	100.0%	10
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	1	10.0%	6	60.0%	3	30.0%	10
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	1	11.1%	5	55.6%	3	33.3%	9
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	1	10.0%	9	90.0%	10
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	2	20.0%	4	40.0%	4	40.0%	10

**Table 9(g) Schools in Scotland responses by Teachers**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	1	1.1%	25	28.4%	54	61.4%	8	9.1%	88
Q2	<i>Keeping giant African land snails</i>	2	2.4%	19	22.9%	51	61.4%	11	13.3%	83
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	1	1.1%	21	23.9%	23	26.1%	43	48.9%	88
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	6	6.9%	81	93.1%	87
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	4	4.8%	27	32.5%	37	44.6%	15	18.1%	83
Q6	<i>Dissection of eyeballs</i>	6	6.9%	47	54.0%	19	21.8%	15	17.2%	87
Q7	<i>Dissection of hearts</i>	1	1.1%	14	15.9%	13	14.8%	60	68.2%	88
Q8	<i>Dissection of rats</i>	3	3.6%	35	41.7%	42	50.0%	4	4.8%	84
Q9	<i>Pupils taking samples of their own cheek cells</i>	2	2.3%	25	28.7%	13	14.9%	47	54.0%	87
Q10	<i>Pupils using their own saliva in experiments</i>	4	4.4%	47	51.6%	21	23.1%	19	20.9%	91
Q11	<i>Pupils taking samples of their own blood</i>	14	15.2%	73	79.3%	5	5.4%	0	0.0%	92
Q12	<i>Incubating "finger dabs" on agar plates</i>	2	2.3%	26	30.2%	24	27.9%	34	39.5%	86
Q13	<i>Burning peanuts in experiments</i>	1	1.1%	13	13.7%	35	36.8%	46	48.4%	95
Q14	<i>Using spirometers</i>	0	0.0%	1	1.4%	23	31.5%	49	67.1%	73
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	1	1.1%	2	2.1%	91	96.8%	94
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	0	0.0%	23	25.3%	68	74.7%	91
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	4	4.3%	31	33.7%	57	62.0%	92
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	1	1.1%	6	6.8%	62	70.5%	19	21.6%	88
Q19	<i>Dropping potassium into water</i>	0	0.0%	9	9.8%	1	1.1%	82	89.1%	92
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	2	2.2%	8	8.7%	82	89.1%	92

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	1	1.2%	12	14.0%	48	55.8%	25	29.1%	86
Q22	<i>Use of benzene</i>	30	32.6%	53	57.6%	8	8.7%	1	1.1%	92
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	14	16.5%	38	44.7%	33	38.8%	85
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	25	28.7%	46	52.9%	16	18.4%	87
Q25	<i>Using bromine in diffusion demonstrations</i>	1	1.2%	15	18.1%	40	48.2%	27	32.5%	83
Q26	<i>Demonstrating ammonium dichromate volcano</i>	0	0.0%	27	31.0%	32	36.8%	28	32.2%	87
Q27	<i>Use of genuine crude oil</i>	12	13.2%	49	53.8%	13	14.3%	17	18.7%	91
Q28	<i>Use of naphthalene (moth balls)</i>	4	4.9%	32	39.0%	37	45.1%	9	11.0%	82
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	1.2%	8	9.9%	36	44.4%	36	44.4%	81
Q30	<i>Use of mercury thermometers</i>	0	0.0%	9	10.2%	20	22.7%	59	67.0%	88
Q31	<i>Use of model steam engines</i>	0	0.0%	5	5.7%	16	18.2%	67	76.1%	88
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	33	40.2%	39	47.6%	10	12.2%	82
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	16	20.5%	45	57.7%	17	21.8%	78
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	1	1.2%	2	2.3%	83	96.5%	86
Q35	<i>Use of stroboscopes</i>	0	0.0%	6	7.5%	25	31.3%	49	61.3%	80
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	6	7.1%	78	92.9%	84
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	1	1.2%	3	3.7%	7	8.5%	71	86.6%	82
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	5	6.3%	38	47.5%	20	25.0%	17	21.3%	80
Q39	<i>Demonstrations using sealed radioactive sources</i>	1	1.2%	2	2.4%	31	36.9%	50	59.5%	84
Q40	<i>Demonstrations using protactinium generators</i>	4	5.2%	19	24.7%	45	58.4%	9	11.7%	77

**Table 9(h) Schools in Scotland responses by Technicians**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	1	14.3%	4	57.1%	2	28.6%	7
Q2	<i>Keeping giant African land snails</i>	0	0.0%	1	16.7%	3	50.0%	2	33.3%	6
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	1	14.3%	3	42.9%	3	42.9%	7
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	0	0.0%	7	100.0%	7
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	1	16.7%	2	33.3%	3	50.0%	0	0.0%	6
Q6	<i>Dissection of eyeballs</i>	0	0.0%	4	57.1%	2	28.6%	1	14.3%	7
Q7	<i>Dissection of hearts</i>	0	0.0%	1	14.3%	2	28.6%	4	57.1%	7
Q8	<i>Dissection of rats</i>	1	14.3%	3	42.9%	3	42.9%	0	0.0%	7
Q9	<i>Pupils taking samples of their own cheek cells</i>	2	28.6%	1	14.3%	1	14.3%	3	42.9%	7
Q10	<i>Pupils using their own saliva in experiments</i>	2	28.6%	3	42.9%	2	28.6%	0	0.0%	7
Q11	<i>Pupils taking samples of their own blood</i>	2	28.6%	3	42.9%	2	28.6%	0	1.0%	7
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	2	28.6%	1	14.3%	4	57.1%	7
Q13	<i>Burning peanuts in experiments</i>	0	0.0%	2	28.6%	3	42.9%	2	28.6%	7
Q14	<i>Using spirometers</i>	0	0.0%	1	14.3%	2	28.6%	4	57.1%	7
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	0	0.0%	0	0.0%	7	100.0%	7
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	1	14.3%	3	42.9%	3	42.9%	7
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	1	14.3%	1	14.3%	5	71.4%	7
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	0	0.0%	5	83.3%	1	16.7%	6
Q19	<i>Dropping potassium into water</i>	0	0.0%	1	14.3%	1	14.3%	5	71.4%	7
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	1	14.3%	6	85.7%	7

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	1	16.7%	1	16.7%	4	66.7%	0	0.0%	6
Q22	<i>Use of benzene</i>	3	42.9%	4	57.1%	0	0.0%	0	0.0%	7
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	2	28.6%	3	42.9%	2	28.6%	7
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	14.3%	4	57.1%	2	28.6%	0	0.0%	7
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	2	28.6%	5	71.4%	7
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	14.3%	1	14.3%	3	42.9%	2	28.6%	7
Q27	<i>Use of genuine crude oil</i>	2	28.6%	4	57.1%	1	14.3%	0	0.0%	7
Q28	<i>Use of naphthalene (moth balls)</i>	1	14.3%	4	57.1%	1	14.3%	1	14.3%	7
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	0	0.0%	2	28.6%	5	71.4%	7
Q30	<i>Use of mercury thermometers</i>	0	0.0%	2	28.6%	1	14.3%	4	57.1%	7
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	1	14.3%	6	85.7%	7
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	3	50.0%	2	33.3%	1	16.7%	6
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	2	33.3%	3	50.0%	1	16.7%	6
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	0	0.0%	7	100.0%	7
Q35	<i>Use of stroboscopes</i>	0	0.0%	1	14.3%	1	14.3%	5	71.4%	7
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	0	0.0%	7	100.0%	7
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	0	0.0%	0	0.0%	6	100.0%	6
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	3	50.0%	1	16.7%	2	33.3%	6
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	3	42.9%	4	57.1%	7
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	3	42.9%	2	28.6%	2	28.6%	7

**Table 9(i) Schools in Scotland responses by Others**

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q1	<i>Keeping small mammals</i>	0	0.0%	2	33.3%	3	50.0%	1	16.7%	6
Q2	<i>Keeping giant African land snails</i>	0	0.0%	2	33.3%	4	66.7%	0	0.0%	6
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	4	66.7%	1	16.7%	1	16.7%	6
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	0	0.0%	6	100.0%	6
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	3	60.0%	1	20.0%	1	20.0%	5
Q6	<i>Dissection of eyeballs</i>	0	0.0%	4	66.7%	1	16.7%	1	16.7%	6
Q7	<i>Dissection of hearts</i>	0	0.0%	1	16.7%	0	0.0%	5	83.3%	6
Q8	<i>Dissection of rats</i>	1	16.7%	1	16.7%	4	66.7%	0	0.0%	6
Q9	<i>Pupils taking samples of their own cheek cells</i>	0	0.0%	2	33.3%	0	0.0%	4	66.7%	6
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	3	50.0%	0	0.0%	3	50.0%	6
Q11	<i>Pupils taking samples of their own blood</i>	1	16.7%	5	83.3%	0	0.0%	0	0.0%	6
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	0	0.0%	3	60.0%	2	40.0%	5
Q13	<i>Burning peanuts in experiments</i>	0	0.0%	1	16.7%	1	16.7%	4	66.7%	6
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	1	20.0%	4	80.0%	5
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	0	0.0%	0	0.0%	6	100.0%	6
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	0	0.0%	2	33.3%	4	66.7%	6
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	0	0.0%	1	16.7%	5	83.3%	6
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	1	16.7%	3	50.0%	2	33.3%	6
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	0	0.0%	6	100.0%	6
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	0	0.0%	6	100.0%	6

		A Banned + evidence		B Believed banned no evidence		C-H Not banned but ....		I Sometimes done		Total response
		No	%	No	%	No	%	No	%	
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	4	80.0%	1	20.0%	5
Q22	<i>Use of benzene</i>	1	16.7%	5	83.3%	0	0.0%	0	0.0%	6
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	0	0.0%	0	0.0%	6	100.0%	6
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	0	0.0%	3	50.0%	2	33.3%	1	16.7%	6
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	3	50.0%	3	50.0%	6
Q26	<i>Demonstrating ammonium dichromate volcano</i>	1	16.7%	3	50.0%	0	0.0%	2	33.3%	6
Q27	<i>Use of genuine crude oil</i>	1	16.7%	5	83.3%	0	0.0%	0	0.0%	6
Q28	<i>Use of naphthalene (moth balls)</i>	0	0.0%	4	66.7%	2	33.3%	0	0.0%	6
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	0	0.0%	0	0.0%	1	20.0%	4	80.0%	5
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	1	16.7%	5	83.3%	6
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	0	0.0%	6	100.0%	6
Q32	<i>Use of air rifles in momentum demonstrations</i>	0	0.0%	2	33.3%	3	50.0%	1	16.7%	6
Q33	<i>Use of starting pistol in speed of sound experiments</i>	0	0.0%	1	20.0%	3	60.0%	1	20.0%	5
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	0	0.0%	6	100.0%	6
Q35	<i>Use of stroboscopes</i>	0	0.0%	1	16.7%	2	33.3%	3	50.0%	6
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	1	20.0%	4	80.0%	5
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	0	0.0%	1	20.0%	4	80.0%	5
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	0	0.0%	4	80.0%	0	0.0%	1	20.0%	5
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	1	16.7%	2	33.3%	3	50.0%	6
Q40	<i>Demonstrations using protactinium generators</i>	0	0.0%	3	50.0%	2	33.3%	1	16.7%	6

## Appendix 10 Education authority responses

		<i>P</i> <i>Banned because banned nationally</i>		<i>Q</i> <i>Banned by EA even though not banned nationally</i>		<i>R</i> <i>Not banned but discouraged</i>		<i>S</i> <i>Not banned or discouraged</i>		<i>Total Resposns</i>
Q1	<i>Keeping small mammals</i>	0	0.0%	0	0.0%	0	0.0%	64	100.0%	64
Q2	<i>Keeping giant African land snails</i>	1	1.6%	0	0.0%	2	3.1%	61	95.3%	64
Q3	<i>Inflating a sheep's lung (eg, with bellows)</i>	0	0.0%	1	1.7%	4	6.7%	55	91.7%	60
Q4	<i>Using a choice chamber with woodlice</i>	0	0.0%	0	0.0%	0	0.0%	63	100.0%	63
Q5	<i>Bringing spawn of the common frog from a pond into school</i>	0	0.0%	0	0.0%	3	4.8%	60	95.2%	63
Q6	<i>Dissection of eyeballs</i>	1	1.6%	1	1.6%	1	1.6%	61	95.3%	64
Q7	<i>Dissection of hearts</i>	0	0.0%	0	0.0%	0	0.0%	62	100.0%	62
Q8	<i>Dissection of rats</i>	0	0.0%	0	0.0%	1	1.6%	61	98.4%	62
Q9	<i>Pupils taking samples of their own cheek cells</i>	1	1.6%	0	0.0%	3	4.8%	59	93.7%	63
Q10	<i>Pupils using their own saliva in experiments</i>	0	0.0%	1	1.6%	3	4.8%	58	93.6%	62
Q11	<i>Pupils taking samples of their own blood</i>	5	7.8%	3	4.7%	4	6.3%	52	81.3%	64
Q12	<i>Incubating "finger dabs" on agar plates</i>	0	0.0%	0	0.0%	4	6.4%	59	93.7%	63
Q13	<i>Burning peanuts in experiments</i>	1	1.6%	0	0.0%	7	11.5%	53	86.9%	61
Q14	<i>Using spirometers</i>	0	0.0%	0	0.0%	0	0.0%	63	100.0%	63
Q15	<i>Exploding cans of custard powder, icing sugar, lycopodium powder or similar</i>	0	0.0%	0	0.0%	4	6.5%	58	93.6%	62
Q16	<i>Exploding cans containing methane / air mixtures</i>	0	0.0%	0	0.0%	4	6.6%	57	93.4%	61
Q17	<i>Demonstrating explosions of hydrogen / oxygen mixtures</i>	0	0.0%	0	0.0%	5	7.9%	58	92.1%	63
Q18	<i>Reducing heated copper(II) oxide with hydrogen</i>	0	0.0%	0	0.0%	3	4.7%	61	95.3%	64
Q19	<i>Dropping potassium into water</i>	0	0.0%	0	0.0%	1	1.6%	63	98.4%	64
Q20	<i>Heating iron/sulfur mixtures</i>	0	0.0%	0	0.0%	1	1.6%	63	98.4%	64

		P <i>Banned because banned nationally</i>		Q <i>Banned by EA even though not banned nationally</i>		R <i>Not banned but discouraged</i>		S <i>Not banned or discouraged</i>		Total Resposns
Q21	<i>Demonstrating the thermite reaction</i>	0	0.0%	0	0.0%	1	1.6%	62	98.4%	63
Q22	<i>Use of benzene</i>	14	23.0%	0	0.0%	2	3.3%	45	73.8%	61
Q23	<i>Demonstrating the iodine/aluminium reaction</i>	0	0.0%	0	0.0%	2	3.2%	61	96.8%	63
Q24	<i>Using a blowpipe in lead oxide/charcoal reductions</i>	1	1.6%	0	0.0%	2	3.2%	60	95.2%	63
Q25	<i>Using bromine in diffusion demonstrations</i>	0	0.0%	0	0.0%	3	4.8%	60	95.2%	63
Q26	<i>Demonstrating ammonium dichromate volcano</i>	0	0.0%	0	0.0%	3	4.8%	60	95.2%	63
Q27	<i>Use of genuine crude oil</i>	13	21.3%	0	0.0%	1	1.6%	47	77.1%	61
Q28	<i>Use of naphthalene (moth balls)</i>	3	5.0%	0	0.0%	3	5.0%	54	90.0%	60
Q29	<i>Demonstrating reaction between propane-1,2,3-triol (glycerine) and potassium manganate(VII) (permanganate)</i>	1	1.7%	0	0.0%	4	6.9%	53	91.4%	58
Q30	<i>Use of mercury thermometers</i>	0	0.0%	0	0.0%	4	6.3%	60	93.8%	64
Q31	<i>Use of model steam engines</i>	0	0.0%	0	0.0%	2	3.1%	62	96.9%	64
Q32	<i>Use of air rifles in momentum demonstrations</i>	2	3.2%	0	0.0%	4	6.5%	56	90.3%	62
Q33	<i>Use of starting pistol in speed of sound experiments</i>	1	1.6%	0	0.0%	4	6.4%	58	92.1%	63
Q34	<i>Making pupils' hair stand on end with van de Graaff generators</i>	0	0.0%	0	0.0%	2	3.1%	62	96.9%	64
Q35	<i>Use of stroboscopes</i>	0	0.0%	0	0.0%	2	3.1%	62	96.9%	64
Q36	<i>Showing magnetic fields with iron filings</i>	0	0.0%	0	0.0%	1	1.6%	62	98.4%	63
Q37	<i>Use of EHT equipment up to 5000 volts at less than 5 mA</i>	0	0.0%	0	0.0%	4	6.5%	58	93.6%	62
Q38	<i>Demonstrating the power line at mains voltage on the transmission line</i>	1	1.6%	1	1.6%	7	11.1%	54	85.7%	63
Q39	<i>Demonstrations using sealed radioactive sources</i>	0	0.0%	0	0.0%	1	1.6%	63	98.4%	64
Q40	<i>Demonstrations using protactinium generators</i>	1	1.6%	0	0.0%	0	0.0%	61	98.4%	62