

## October 2006 Chemistry Su Doku

Cr				C				Cu			Cd	C
							Ca					Ca
												Cd
		Cd		Cf							Cl	C
		Cr										Ca
Ca			Ce		Co			Cl				Cf
Cf											Ce	
Cd	Co						C			Ca		
				Ce								Cr
Cu			Cf					Cd				Cr

Ensure that each row, column and nine-square cell contains each of the chemical elements, shown to the side, once

H	Et	Ph	SH	Bu	NH <sub>2</sub>	Me	OH	OMe
Me	OH	Bu	H	OMe	Ph	SH	Et	NH <sub>2</sub>
SH	OMe	NH <sub>2</sub>	Et	Me	OH	H	Ph	Bu
OMe	Me	H	OH	Et	Bu	Ph	NH <sub>2</sub>	SH
OH	Bu	SH	NH <sub>2</sub>	Ph	Me	Et	OMe	H
NH <sub>2</sub>	Ph	Et	OMe	SH	H	Bu	Me	OH
Ph	SH	Me	Bu	OH	OMe	NH <sub>2</sub>	H	Et
Bu	NH <sub>2</sub>	OMe	Me	H	Et	OH	SH	Ph
Et	H	OH	Ph	NH <sub>2</sub>	SH	OMe	Bu	Me

## Solution to September 2006 Chemistry Su Doku

The winner of the September 2006 *Chemistry World* Su Doku competition is E Dodson, Charmouth, UK

The winner of this month's chemistry Su Doku will be published next month. For a chance to win a £25 book voucher, please send your completed Su Doku to the address on p2 or fax to +44 (0)1223 426017 by 12 October.

## October 2006 Crossword

1		2		3			4	5		6		7		8
9							10							
							11							
12								13		14				
							15						16	
17										18				
							19							
20		21								22		23		
							24							
							25			26				
27														
28							29			30				
31										32				

### Across

- 1 Give authority to English to arrest the French (6)
- 4 Sergeant prepared substances for use in analysis (8)
- 9 I love to have a meal. It's essential (6)
- 10 The man needs 28 across to make finally an unsaturated ketone (C<sub>6</sub>H<sub>10</sub>O) (8)
- 12 The man's note is about a basic protein (7)
- 14 Horny covering from gastropod (except for the head) (4)
- 15 Solve first of clues. It's torturous (5)
- 17 Cotton yarn from the western part of Long Island (5)
- 18 Twist middle part of ceramic fibre (5)
- 19 Brief like the warmest time of year reportedly (7)
- 20 Shake can up and take the top off (5)
- 22 Prime minister acquires a type of bread (5)
- 24 You need to perform better in the open air or must quit (5)
- 25 Mineral that's crystal clear in the centre (4)
- 26 Preparing to hang new sign on front of observatory (7)
- 28 Great wind such as is found in 10 across and 1, 3, 6, 13 & 16 down (5,3)
- 30 Oil mixed in French wine. It's a fiddle (6)
- 31 Meeting for concerted discussion held originally in Nottinghamshire town (8)
- 32 Spirit must take most of credit for promoting digestion (6)

### Down

- 1 Body tissue shows indentation in middle of her 28 across (10)
- 2 Sugars provide first sign of sweetness in beers (7)
- 3 Tell a fib about 28 across having toothed wheels. It's not right to make money dishonestly (4,4,7)
- 5 Farm animal found in The Weald (3)
- 6 Raw 28 across. Bite off the top - it's potentially fatal to a superhero (5,10)
- 7 One found repeatedly in no inferior metal (7)
- 8 Fat girl has temperature (4)
- 11 Kill a large proportion of rodents turning up in fruit (8)
- 13 Mother has 28 across with a footballer (8)
- 16 28 across eaten by large bird that lacks an acid (C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>) (10)
- 21 Bedroom has central heating and a yellow light (7)
- 23 One out of three gets to stumble over obstruction (7)
- 27 Water that's solid at the present time (4)
- 29 Silver(I,III) oxide is gone (3)

C	R	E	A	T	I	N	I	N	E	B	A	N	G
I	R	A	A	O	E	S	B	B	I				
T	W	A	I	N	S	T	I	N	K	B	O	M	B
R	T	N	E	G	I	M	B						
I	C	O	N	I	C	T	H	E	R	M	I	T	E
C			N	B	B	B	T	N	R				
A	U	N	T	H	A	L	O	G	E	N	A	T	E
C	I	J	U	K	U	D	T	L					
I	N	C	E	N	D	I	A	R	Y	C	E	L	L
D	O	A	N	S	N	I							
C	A	T	A	L	O	G	S	N	J	O	B	I	C
Y	J	I	I	S	O	M	A	A					
C	R	A	C	K	P	O	T	S	B	A	S	I	C
L	N	E	D	L	L	L	S	I					
E	T	A	L	C	A	R	O	T	E	N	O	I	D

## Solution to September 2006 crossword

The winner of the September 2006 *Chemistry World* crossword competition is S Roberts, Chelmsford, UK

The winner of this month's crossword will be published next month. For a chance to win a £25 book voucher, please send your completed crossword to the address on p2 or fax to +44 (0)1223 426017 by 12 October.

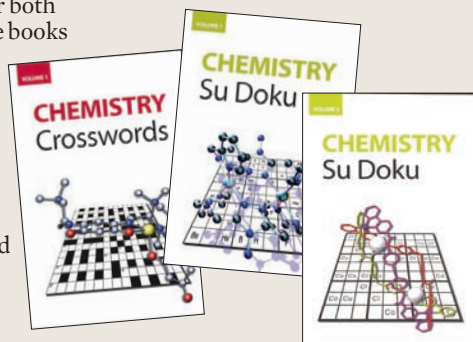
## Puzzle books from the RSC

Are you good at solving puzzles? Do you have an active interest in science?

Now you can cover both interests with puzzle books published by the RSC: *Chemistry Crosswords* and *Chemistry Su Doku*. These pocket sized books provide an alternative to the familiar, light hearted entertainment of conventional puzzle books by incorporating a chemical twist. Each of the four volumes contains 70 puzzles to challenge and brush up on your chemical knowledge.

### Coming soon!

*Chemistry Su Doku*, Volume 3 and *Physics Su Doku*, Volume 1.



Each book is priced at £7.95. For details see the website [www.rsc.org/books](http://www.rsc.org/books)