

# Chemistry Su Doku

							Re	Fe
Zr					O	Y		
	H				Y	O		
Re				Y	Ag	Zr		O
			Fe		Pb			
Fe		H	O	Re				Y
		Fe	Y				Pb	
		Pb	Ag					S
O	Re							

This twist on a traditional Japanese puzzle is solved by ensuring that each row, column and 9-square cell contains each of the following chemical elements once:

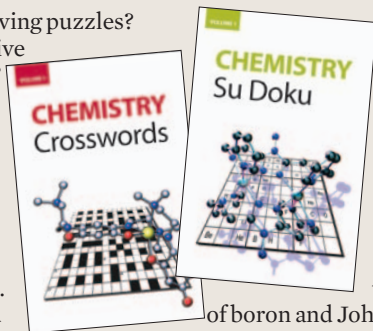
Ag	Fe	H	O	Pb	Re	S	Y	Zr
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The winner of this Su Doku will receive £50 worth of goods from Fortnum and Mason and two runners up will receive £20 book vouchers. Please send your completed Su Doku to the address on p2 by 12 December. The solution will be published next month

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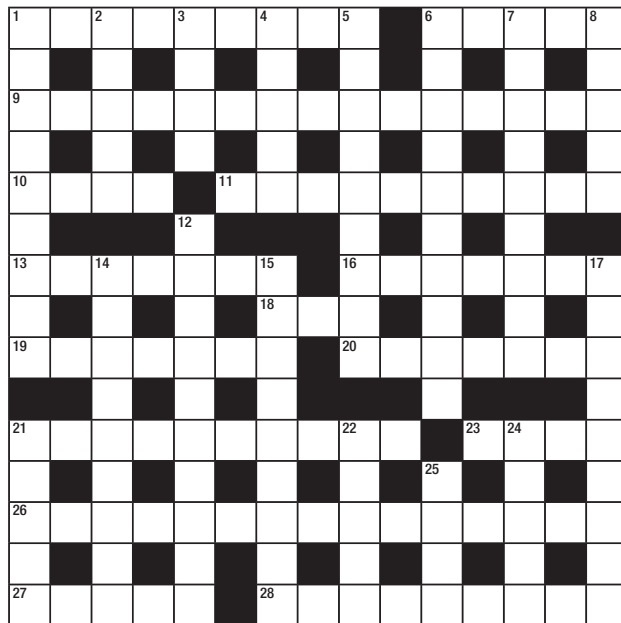
has been developed to incorporate chemical symbols in place of numbers, with themes including the periodic table, the isotopes of boron and John Dalton's notation system from 1808.

So why not give yourself a challenge and brush up on your chemistry knowledge.

Each book is priced at £7.95, with a special offer of £9.95 for both books (until 31 December 2005).

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## December 2005 Crossword



### Across

- More than one sweet liquid medication used following first sign of pain (9)
- Wearing headgear half-heartedly like Batman? (5)
- Start to distil uranite mixed with ammonia; produce a hazardous gas (6,9)
- Oven to cook food right away (4)
- You might have had your chips if you've swallowed this (6,4)
- As a right senator's in charge (7)
- Profoundly hot in Department to begin with (2,5)
- Endless search for vandal (3)
- We hear you apply corporal punishment; it causes numbness (7)
- Objects including an elephant's head rearranged in groups of nine (7)
- Reload ship that's turning round (10)
- Possibly clean up seawater that's ebbing (4)
- Attractive object that brings good luck? (9,6)
- Overindulge in imbibing egg-flip (5)
- Having absorbed a lot of water like some fats (9)

### Down

- Oxidising ion is consumed after a length of time (9)
- Range of mountains located in Moroccan desert (5)
- Perhaps hemp mat is put under front of door (4)
- E. coli* transforms such an acid (5)
- Alkaloid portion has been dropped in French river (9)
- Ceylon and Chad processed a type of quartz (10)
- One is used in the most important unfinished work of Newton (9)
- Went out around noon and had a meal (5)
- Insect I preserve in glycol, for instance (10)
- Virtuous person endlessly consuming cold tea provides sweetener (9)
- Assortment of riches she treasures (9)
- Showed indecision when getting excited about model (9)
- Gentleman has turned up in the same place (5)
- Spy a person of good birth or high social standing (5)
- Prepare fruit for American cake (5)
- Duo start to play tune (4)

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

## Solution to November 2005 crossword

The winner of the November 2005 *Chemistry World* crossword competition is R Brown, Sheffield, UK

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