

April 2006 Chemistry Su Doku

				As		Cu	Zn		
				Al					
As			Cu		Zn			Li	P
						As		Cu	Zn
Mn				P		Zn			B
Ti	Zn			Cu					
Zn	Ti				Al		P		Cu
						B			
		As	Li			Mn			

Al
As
B
Cu
Li
Mn
P
Ti
Zn

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

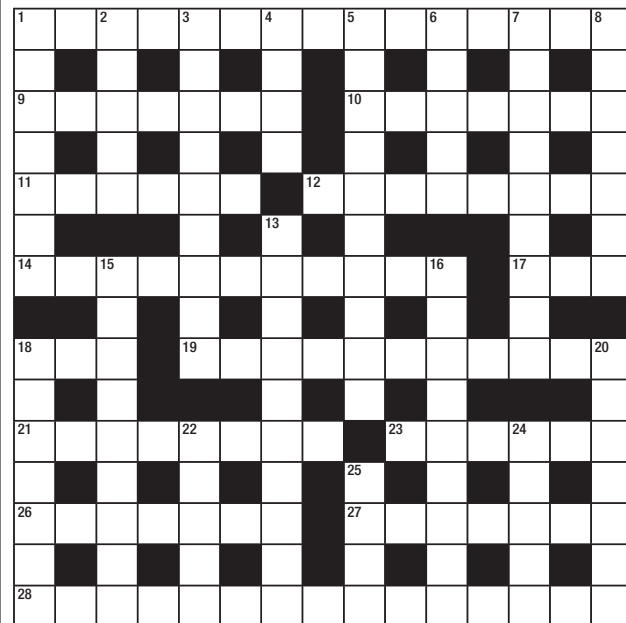
Na	Li	Al	Mg	Be	Rb	K	Cs	Ca
Rb	Mg	Ca	Li	Cs	K	Na	Be	Al
Be	Cs	K	Na	Al	Ca	Rb	Li	Mg
K	Na	Li	Cs	Ca	Be	Al	Mg	Rb
Ca	Be	Mg	Rb	Li	Al	Cs	Na	K
Al	Rb	Cs	K	Na	Mg	Be	Ca	Li
Mg	K	Na	Be	Rb	Li	Ca	Al	Cs
Li	Ca	Be	Al	K	Cs	Mg	Rb	Na
Cs	Al	Rb	Ca	Mg	Na	Li	K	Be

Solution to March 2006 Chemistry Su Doku

The winner of the March 2006 *Chemistry World* Su Doku competition is M Al-Hashimi, London, UK.

The winner of this month's chemistry Su Doku will be published next month. For a chance to win a £25 book voucher and a signed copy of Bill Bryson's *A short history of nearly everything*, please send your completed Su Doku to the address on p2 or fax to +44 (0)1223 426017 by 14 April.

April 2006 Crossword



Across

- Usual answers such as are made up by chemists (6,9)
- Citric, for example. Dirac messed about with it (7)
- Useful tool – a number can be found in America (Illinois) (7)
- Cell components require oxygen in mountainous terrain (6)
- One needs a quantity intermediate in price like ethanol and methyl ether (8)
- Unlawful killing that may result from a chemical reaction (11)
- Information obtained from searching Encarta (3)
- Tax is reduced for worker who doesn't strike (3)
- Game in which king plays a part in tight victories (11)
- Wrongdoer is heard to secure mercury ore (8)
- Short answer is "Laboratory equipment" (6)
- Irishman's an amusing person, one ready to defend his country (7)
- Laxative that can be obtained from Caracas (7)
- English dynamiters working to perturb limestone, perhaps (11,4)

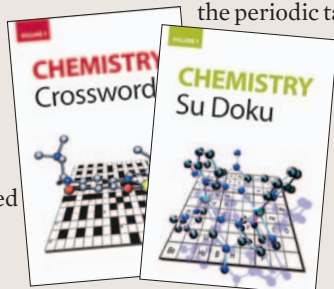
Down

- Stupid person with runs scoffed fertiliser (7)
- Animal with one horn running wild (5)
- St Michael aroused an old scientist (9)
- Obnoxious people overdose on board steamship (4)
- Crude US oil left in disgusting US city (10)
- Part of the Navy generates a certain amount of energy (5)
- Hormone might make middle of toe stronger (9)
- We hear it's foolish to study semiconducting material (7)
- Bird shows skill in following deviant sexual practice (4,6)
- In prevailing fashion, an unruly adolescent chanted (9)
- State need for garment that has not been worn (3,6)
- Prepare precise instructions for cooks (7)
- Possibly *The Times Educational Supplement* is a disappointment (7)
- Man bears a cross. It is self-evident (5)
- Protagonist defends Antipodean region (5)
- Proceedings of the Cataract Association* (4)

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Solution to March 2006 crossword

The winner of the March 2006 *Chemistry World* crossword competition is E W Clark, Malvern, UK

The winner of this month's crossword will be published next month. For a chance to win a £25 book voucher and a signed copy of Bill Bryson's *A short history of nearly everything*, please send your completed crossword to the address on p2 or fax to +44 (0)1223 426017 by 14 April.

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