

June 2007 Chemistry Su Doku

Th			Sc	Tb					
Er					Y				V
Ho		Sc		W	Er	Tb			
	Er			Sc	Yb				
	W			Ho				Tb	
			W	Y				Th	
		Ho	Y	Er			Th		Tb
Y			Ho						W
				V	Th				Y

Er
Ho
Sc
Tb
Th
V
W
Y
Yb

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

F	Ga	Er	Ir	Cd	H	Dy	Ar	Ba
Ba	H	Ar	F	Er	Dy	Cd	Ir	Ga
Ir	Dy	Cd	Ga	Ar	Ba	H	F	Er
Cd	Ar	Ga	Ba	H	Ir	F	Er	Dy
Er	Ba	F	Dy	Ga	Cd	Ir	H	Ar
H	Ir	Dy	Er	F	Ar	Ga	Ba	Cd
Dy	F	H	Ar	Ba	Ga	Er	Cd	Ir
Ga	Er	Ba	Cd	Ir	F	Ar	Dy	H
Ar	Cd	Ir	H	Dy	Er	Ba	Ga	F

Solution to May 2007 Chemistry Su Doku

The winner of the May 2007 *Chemistry World* Su Doku competition is P Orchard, Watlington, UK

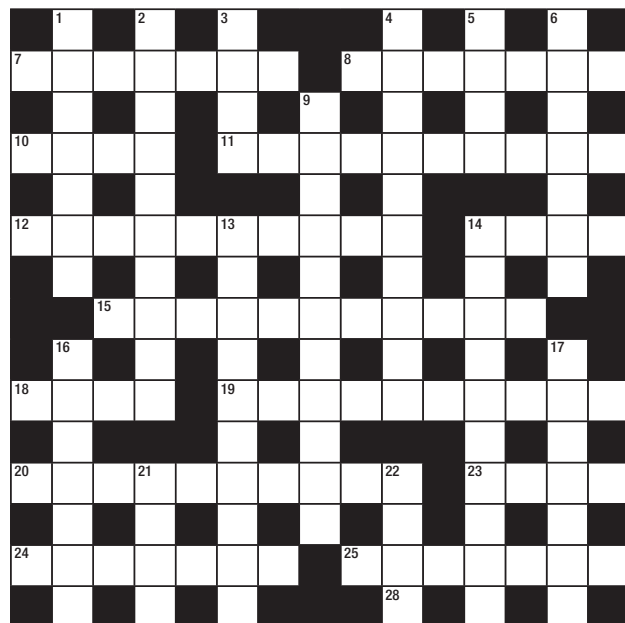
The winner of this month's chemistry Su Doku will be published next month. For a chance to win a £25 book voucher, please send your completed Su Doku to the address on p2 or fax to +44 (0)1223 426017 by 15 June.

What or when?



Answer: Hexagonal biscuits shared by the participants at the fifth symposium on Novel aromatic compounds held at St Andrews, UK in July 1985. Participants from 17 countries celebrated the 60th anniversary of Armit and Robinson's paper on the aromatic sextet (*J. Chem. Soc.*, 1925, 1604) at the place of being the first man to lose his club at the Old Course at St Andrews. In 2005 Babab, Schlyer and Zepa published a review entitled 'Crocker, Not Armit and Robinson, Beat the Six Aromatic Electrons' (*Chem. Rev.*, 2005, 105, 3436) claiming that Ernest Crocker published details of the six aromatic electron structure of benzene three years before Armit and Robinson (*J. Am. Chem. Soc.*, 1922, 44, 1618) and also gave credit to the much earlier work of Henry Edward Armstrong.

June 2007 Crossword



Across

- 7 Sign on railway – *Book Here!* (7)
- 8 Argon fouls up integrated circuit based on carbon (7)
- 10 That woman possessed a small building of light construction (4)
- 11 Determine the age of deuterium trapped in calcite perhaps (6,4)
- 12 Matches containing a small portion of efficient enzyme that produces luminosity (10)
- 14 Give yours truly a second written note (4)
- 15 Analytical technique for sugars is temporarily abandoned (11)
- 18 Bagheera appears to have devoured a type of butter (4)
- 19 Oil-producing tree expresses salts (10)
- 20 Nearly all pharmacists are pseudoscientists according to some (10)
- 23 Thank you again and goodbye (2-2)
- 24 Repeatedly strike the front of your source of electricity (7)
- 25 Person with ability to detect sugar (7)

Down

- 1 I will be engulfed by bad smell after burning metal (7)
- 2 Ailing pensioner swallows small dose of drug, a synthetic one (10)
- 3 Boy featuring in limerick (4)
- 4 Do they measure grief? No. They measure low temperatures (10)
- 5 Here's sulfur together with siliceous material (4)
- 6 Microscopic algae made up from two minute particles? (7)
- 9 Romanticise absurd belief in the first chapter of *Genesis* (11)
- 13 Steals some novel rubber-like compounds (10)
- 14 Sulfur compounds from foreign sea likely to be put in preserves (10)
- 16 Resin he will put in bag (7)
- 17 One step is all that's needed to obtain this sugar (7)
- 21 Dislike European with headgear on (4)
- 22 Clean up TV series? (4)

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

Solution to May 2007 crossword

The winner of the May 2007 *Chemistry World* crossword competition is S Fitzjohn, Bracknell, UK

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