

## July 2006 Chemistry Su Doku

Ga	F	Dy	Au					Eu	
		B	Eu						I
	Ga				Eu			B	
		I	F		H	Dy			
	H		Cu					I	
I					Cu	B			
	B				F	H	Ga	Eu	

Au
B
Cu
Dy
Eu
F
Ga
H
I

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

Co	V	Fe	Zn	Ni	Mn	Cu	Cr	Ti
Zn	Cr	Ni	Ti	Co	Cu	Mn	V	Fe
Cu	Ti	Mn	V	Cr	Fe	Ni	Co	Zn
Cr	Fe	Zn	Ni	Mn	Co	V	Ti	Cu
V	Mn	Co	Cr	Cu	Ti	Zn	Fe	Ni
Ti	Ni	Cu	Fe	Zn	V	Co	Mn	Cr
Ni	Zn	V	Mn	Ti	Cr	Fe	Cu	Co
Mn	Co	Ti	Cu	Fe	Ni	Cr	Zn	V
Fe	Cu	Cr	Co	V	Zn	Ti	Ni	Mn

### Solution to June 2006 Chemistry Su Doku

The winner of the June 2006 *Chemistry World* Su Doku competition is C E Maclean, Hamilton, 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 July.

## July 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				

### Across

- C<sub>10</sub> aldehyde belonging to a dean (7)
- On leaving tonight Queen is comparatively drunk (7)
- Guy was arrested trying to use this illegally. No report followed (9)
- Possibly fat Greek character is wearing hat (5)
- Wooden structure located in middle of street (4)
- Musician needs nothing less than an antiseptic, a nitrogen heterocycle (10)
- Burning question about a blue colouring matter (6)
- Tina after being disturbed in action is kept in custody (8)
- Spilt arsenide to the left of a British car? (8)
- Nearly die at home having consumed neat poisonous substance (6)
- The sex offenders find people who might be able to help them (10)
- Brogue possibly is what scares away birds, etc, when spoken (4)
- Take back some rancid oil containing a halogen (5)
- Being under the \_\_\_\_\_, uncle is in fine mess (9)
- Assay phosphorus and sulfur in digestive enzyme (7)
- Mineral oxides obtained from sharp ridge near Lesotho (7)

### Down

- Finger with broken nail produces pharmacologically active compound (9)
- Focus all one's attention on a high-density substance? (11)
- Gas obtained from brine once (4)
- Re-form guild that includes Watt and Mond perhaps (6)
- Cultivated trees round enclosure as a source of natural products (8)
- Substance derived from tannin that originates in France? (6,4)
- Raise up hollow end (3)
- Travel taking in grand mountain feature (5)
- Technique for separating element is reported. Xe? (3,8)
- Materials supplied by advance positions (10)
- Study breakdown of senses causing stupidity (9)
- Increase drug dependence (not cocaine) (8)
- Groups of workers in The Potteries perhaps (6)
- It isn't a corrupting influence (5)
- Film company starts to free up Japanese investment (4)
- Doctor Finlay finally becomes teetotal (3)

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

### Solution to June 2006 crossword

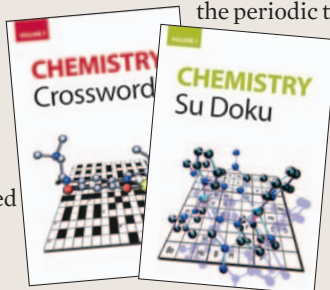
The winner of the June 2006 *Chemistry World* crossword competition is P A Martin, St Albans, UK

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