

### January 2011 Chemistry Wordoku

		N		D				
				S		E	A	
			E		A			
N					S	H		P
I			A		P			R
P		S	I					D
			P		D			
	H	D		I				
				H		S		

A
D
E
H
I
N
P
R
S

Solve this 'wordoku' in the same way as a sudoku with letters instead of numbers (the nine letters once in each row, column and nine-square cell). Once solved, one of the overall diagonals contains the name of an alkaloid.

U	S	H	A	I	R	O	T	M
T	I	R	U	M	O	S	A	H
A	O	M	H	T	S	R	I	U
M	H	U	R	A	I	T	S	O
I	T	A	S	O	U	H	M	R
S	R	O	T	H	M	I	U	A
O	U	I	M	S	H	A	R	T
R	A	S	O	U	T	M	H	I
H	M	T	I	R	A	U	O	S

#### Solution to December 2010 Chemistry Wordoku

The chemist's name hidden in the diagonal is (Osamu) Shimomura, the Japanese Nobel prizewinning organic chemist and marine biologist. The winner of the December 2010 *Chemistry World* Wordoku competition is M Nichols (Rugby) and the two runners-up are J Brady, Manchester, UK, and K Waterson, Barton-Le-Clay, UK.

The winner of this month's Wordoku will be published next month. For a chance to win a £25 book voucher, please send your completed Wordoku to 'CHEMISTRY WORLD PUZZLE ANSWERS' at the address on p2, fax to +44 (0)1223 426017 or email to [chemistryworld@rsc.org](mailto:chemistryworld@rsc.org) by 15 January.

### Through the lens



Crystallized soy sauce (x16). This image by Yanping Wang of the Beijing Language and Culture University, Beijing, China, was the tenth placed image in the 2010 Nikon Small World photomicrography competition. See [www.nikonsmallworld.com](http://www.nikonsmallworld.com)

### January 2011 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						

#### Across

- 1 Later bus turns North for officer? (9)
- 6 German chemist confused beggars on loss of strontium (5)
- 9 Lack of rhenium in reagent representative? (5)
- 10 Digitalis doctor in need of a tonic himself? (9)
- 11 Old photo of a greedy troupe? Maybe (13)
- 14 Compound sounding like it's OK after sunset (7)
- 16 Gift for now (7)
- 17 Best time of day to do the ironing? (7)
- 19 Requiring baking skill? Sounds like it! (7)
- 21 Longsightedness induced by theorem on crumpled papyri? (13)
- 24 Solvent causing mum unrest? (9)
- 26 I turn nice for ancient tribe (5)
- 27 Seasoned for a sailor? (5)
- 28 Person from Gdansk at 90 degrees? (5,4)

#### Down

- 1 Mistakenly gained trust of this polymer chemist after loss of front teeth? (10)
- 2 For example, brute intoxicated could carry this (4,3)
- 3 French and English definite articles will keep turning! (8)
- 4 Award ledger to chemist composer (6,5)
- 5 Catch what's left (3)
- 6 Teeny lace creation for simplest alkyne (9)
- 7 Effeminate when epicentre loses extreme right (7)
- 8 A gig returns for something big (4)
- 12 Hemp pioneer, scrambled, destroyer of worlds (11)
- 13 Shame when swirling gas emits it (10)
- 15 State peculiar to an individual, such as happy idiot, lost and lacking phosphorus (9)
- 18 Bethan, older has spirit (7)
- 20 In full Ancient Roman style (2,5)
- 22 State of rare ichthyosaur in Germany? (5)
- 23 Spam stew? Very current! (4)
- 25 Mourn loss of top old man for something to keep his ashes in (3)

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

#### Solution to December 2010 crossword

The winner of the December 2010 *Chemistry World* crossword competition is A Hard (Macclesfield) and the two runners-up are A Tucker, Bristol, UK, and F Peachey, Sudbury, UK

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