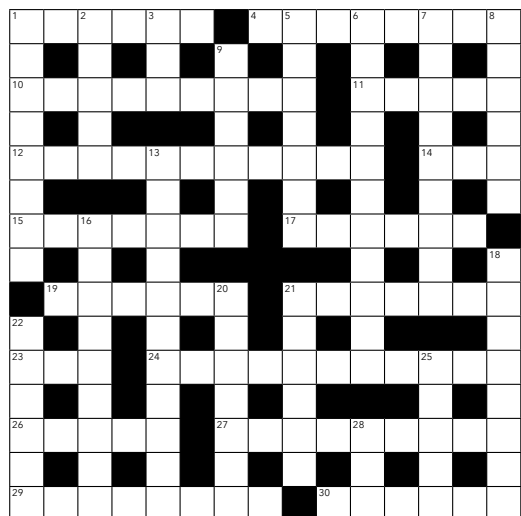


December 2016 elements crossword

A slight change from the usual! Each crossword square can have one or two letters, but they must be the letters of an elemental symbol, or the letters D or T (for Deuterium or Tritium). For example, Dalton could be written D(A)lTON

NOTE: Clue 13 includes an obsolete symbol for radium (Rd)



Across

- 1 Carter is over rocks (8)
- 4 Sugars surprisingly scarce as I'd initially heard (11)
- 10 Not thinking clearly as bitter about dancer (14)
- 11 Rob left pruned surprisingly (7)
- 12 Eye examination upsets psychopath left with endless mood (14)
- 14 Document Pole left flopped surprisingly (3)
- 15 Trot around Spain to see locomotives (9)
- 17 She's sore about top Amalfi beaches (9)
- 19 Carer transforms pip into another part of the fruit (8)
- 21 Backs plot producing disease (5, 4)
- 23 Pat leaves utopia, returning with debt (3)
- 24 Looking at the birds so hypnotic or confusing (12)
- 26 Doctors' clinics dispensing with lint dross around bugs (5)
- 27 The monstrous creation in pole position (12)
- 29 Greek polymath earnest about ethos (12)
- 30 Epic poem about headless body-yes, sure initially! (7)

Down

- 1, 22 down Chemist prepares frothiest cornets (5, 4, 7)
- 2 Small boy in stitches (5)
- 3 Restrain dog before barking begins (4)
- 5 I chase duo around venue for vitriolic music? (4, 5)
- 6 Retro girls sick about chippy husband initially (5, 6)
- 7 Oh! I confuse poisoners moving charges (12)
- 8 Initially you set fire to convert into another compound (8)
- 9 I'd months to last (8)
- 13 Musician rhapsodic about his odd turn (14)
- 16 Go-between in trouble with centurion (11)
- 18 Tiny gutless Tory is doubly upset with first bill (4-5)
- 20 I slip in around the barbarian (10)
- 21 Wash hairdo for pastry (4, 3)
- 22 See 1 down
- 25 Cosmos I suspect concealing diffusion (7)
- 28 Sensed a collection of curlwys by the sounds of it (5)

December 2016 chemistry wordoku

				B		S		E	A
		X	N					A	B
S	D	M	A			L			D
N			S						E
D			M	A	X				L
					B				M
			N			A	E	L	X
	X				S	N			S
B	E		M						X

Solve this wordoku in the same way as a sudoku with letters instead of numbers (each of the nine letters in each row, column and nine-square cell). Once solved, one of the overall diagonals can be rearranged in the name of a UK chemist whose interests include flow technology in organic synthesis

Scientific Services for the Food Industry

- Allergen Testing
- Functional Ingredient Analysis
- Flavour and Aroma Profiling
- Product Development
- Investigative Analysis
- 24/7 Emergency Response
- Stability Studies
- Consultancy
- In-house Training

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November 2016 solutions

The name of the chemist was Emanuel HERSHBERG.

The winner of the November 2016 *Chemistry World* wordoku competition is G McKenna, Montarnaud, France. The winner of the November 2016 *Chemistry World* crossword competition is J M Anderson, Falkirk, UK.

R	S	E	M	H	T	B	A	G
A	M	H	R	B	G	T	E	S
G	T	B	A	S	E	H	R	M
B	A	G	T	M	H	E	S	R
E	H	M	G	R	S	A	B	T
T	R	S	E	A	B	M	G	H
H	E	R	B	G	M	S	T	A
M	B	A	S	T	R	G	H	E
S	G	T	H	E	A	R	M	B

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

The winners of this month's crossword and wordoku will be published next month.

For a chance to win goods from Fortnum & Mason or a runner up £25 book voucher, please send your completed crossword/wordoku to 'Chemistry World puzzle answers', Royal Society of Chemistry, Science Park, Milton Road, Cambridge, CB4 0WF, UK. Alternatively, you can fax your answers to +44 (0) 1223 426017 or email to chemistryworld@rsc.org by 15 December.

On the spot: raiding the cupboards



See the answer on page 69