

January 2021 wordoku

									A
	S	M	I		T	L	N		E
	N			L			T		G
		I	G		L	A			I
		N	T		A	S			L
				N					M
M									N
		L				I			S
	T		L	A	M		E		T

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 to give the name of an alkaloid used in one of Agatha Christie's novels.

January 2021 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						

Entry form

There are four prize puzzles on this page: cryptic crossword; quick crossword; wordoku; and science scramble. For each puzzle, a winner will be selected from all the correct entries received and awarded a £25 UK book voucher.

You can enter any or all of the prize draws, but each entrant is only eligible to win one of the individual puzzle prizes each month.

Please enter your details below and email a scan or photograph of this page with your completed entries to us by **20 January 2021**. The winners of this month's puzzles will be published in the February 2021 issue, along with the solutions.

Email: chemistryworld@rsc.org

Name

Address

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Participants are advised that any personal information supplied will be processed in connection with this competition and only in accordance with our privacy statement (www.chemistryworld.com/privacy).

January 2021 science scramble

Similar to a word ladder, each answer provides letters that must appear - including duplicates - in the answer immediately following it. The puzzle's final answer is a scientist or someone who contributed to science.

For example:

- 1 sail
- 2 snail
- 3 saline
- 4 minerals
- 5 Neil Armstrong

Ancient Egyptian god (2)

Spoil (3)

Injure (4)

Swamp (5)

Organise (7)

Chemist and first British astronaut (5, 7)

Cryptic

- Across**
- 1 Lacking gravity, advantage spilling salt? (8)
 - 9, 22 Across DNA pioneer ordered Lorna's final drink (8, 8)
 - 10 Abroad I trot all along the shore (8)
 - 11 On arrangement melt copper and rhenium alloy? Actually it's mainly gold and silver! (8)
 - 12 Regent on converted x-ray unit (8)
 - 14 I may alas fancy the country (8)
 - 15 Somehow Holly met our bomb indicator (11, 4)
 - 21 Heads off Rabat riot returning to slaughterhouse (8)
 - 22 See 9 Across
 - 23 Without Saul, Hal's ukulele a form of torture (8)
 - 24 Oddly salmon treated with Taxol turn to other aquatic life (8)
 - 26 The French school mixing the drinks (8)
 - 27 Second-in-charge pro talks endlessly about German chemist (8)

- Down**
- 2 Boxer hidden in Halifax (3)
 - 3 Metal transmuted tin and mica initially unrecognisable (8)
 - 4 Superior tarragon blend (8)
 - 5 Freaky men resell recycled lab kit (10, 5)
 - 6 Comprehensive chat about all initially concerned (8)
 - 7 Complex intro Sally oddly played (8)
 - 8 Alas made treated water (5, 3)
 - 13 Finished some Hoovering (4)
 - 15 Throw talc back for good luck? (5, 3)
 - 16 Surprisingly small company endlessly pleased to show its colours (8)
 - 17 Radiochemist turns north to central Chad right away (4, 4)
 - 18 Oddly mooch around koala in a state (8)
 - 19 Bad crook smashed exit (4, 4)
 - 20 By the sounds of it, not a beautiful fruit (4)
 - 25 Allowed in Alberta even (3)

Quick

- Across**
- 1 Pairs of associated lines in a spectrum (8)
 - 9 Volumetric testing apparatus (8)
 - 10 See 27 Across
 - 11 Districts (8)
 - 12 Slightly salty (8)
 - 14 Italian scientist after whom a chemical constant is named (8)
 - 15 Combinations of monomer molecules (15)
 - 21 Sound of a timepiece (4-4)
 - 22 Seminar, discussion group (8)
 - 23 Old name for graphite (8)
 - 24 Young boisterous women (8)
 - 26 Describing a type of lichen that appear like old cracked paint in polygonal pieces (8)
 - 27, 10 Across Irish crystallographer who used x-ray diffraction to prove the structure of benzene to be flat (8, 8)

- Down**
- 2 Trademark of the food company that stemmed originally from chemist Justus von Liebig's concentrated meat extract (3)
 - 3 Combining power of an acid (8)
 - 4 Waste away (8)
 - 5 American chemist and inventor of Kevlar (9, 6)
 - 6 Lamp invented by Humphry Davy using a spark between two carbon electrodes (3, 5)
 - 7 Look after (6, 2)
 - 8 Geological disintegrations (8)
 - 13 Start over (4)
 - 15 Biblical character also known as Aziz in the Qur'an (8)
 - 16 University classes (8)
 - 17 Insect repellent traditionally containing naphthalene, commonly found in wardrobes (8)
 - 18 Approve, often after an audit (8)
 - 19 Nutrient that is sometimes called vitamin B8 (8)
 - 20 Roman emperor (4)
 - 25 Tiger's ____, gemstone (3)

December 2020 solutions and winners

Cryptic elements crossword

S	C	Ir	O	C	Co	Re	T	C	He	S	P	He	N	O	B	Ar	Bi	T	O	Ne
Ra	Er	B	S	O	O	La	Ag	U	C	U										
Al	T	O	S	T	Ra	T	I	N	Ar	C	O	S	I	S	C	H	Ar	Ac	T	Er
O	Te		S	Ne	Ra	Ti		H	B	Se										
Mo	N	O	D	T	i	Ta	Ni	C	T	I	C	K	S	N	I	O	Bi	T	Es	
I		He	N	Ti	Es			U	Er	Na										
C	O	N	C	Re	S	Ce	N	C	Es	Re	Ac	Ta	N	Ts	I	Te	Ra	T	Es	
U	Ni	Te	D	Ne	O	Ni	Co	T	I	No	I	D	S	P	H	In	C	T	Er	S
Co		I	Ce	Ts		V	I	Ac	O	Og	Mo									
T	He	B	O	S	S	D	Es	I	Re	T	O	K	No	W	N	I	P	S		
I	Ra	S	Se	U	C	I	S	B	O	La										
O	Ni	O	N	I	O	N	O	S	P	H	Er	Es	Pr	O	Te	S	T	S		
C	C	T	S	T	O	S	At	Ce	Ti											
S	Ac	C	H	Ar	I	D	Es	B	Ac	K	S	Ca	T	T	Er	S	N	I	C	He
I			Es	In	Rb	Re	T													
I	D	I	O	T	Al	D	O	S	Es	V	O	Lu	Pt	U	O	S	I	T	Y	
		Ga	F	Og	Fl	H	O	Re	T											
T	S	U	N	Am	I	S	O	D	D	Y	Y	U	C	Ca	S	C	I	Te	S	
T	Es	Re																		
P	Er	I	S	He	D	In	Se	C	Ti	V	O	Ra	C	Ar	O	Te	N	O	I	D
I		O	Am	F	K	Er	Te	C	At	O	T									
Te	C	H	N	O	P	H	O	Be	S	S	U	S	H	I	H	O	T	T	Es	T

Quick crossword

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

December winners

Cryptic elements crossword
Steve Gill, Aylesbury, UK

Quick crossword
Luke Norman, Nottingham, UK