

January 2022 wordoku

				B			S	
	I				R			Z
		E	I		S	N		
	G		E				B	
N								A
	B				N		Z	
		N	A		Z	B		
B			S				R	
	S			I				

A
B
E
G
I
N
R
S
Z

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 surname of a US-based chemist known for their work on bioinspired materials.

January 2022 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					

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 2022**. The winners of this month's puzzles will be published in the February 2022 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 2022 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

<input type="text"/>	Large expanse of water (3)
<input type="text"/>	Urn (4)
<input type="text"/>	Serf (5)
<input type="text"/>	Tray (6)
<input type="text"/>	Workwear (8)
<input type="text"/>	Central American country (2,8)
<input type="text"/>	Italian chemist and pioneer of electricity (10,5)

Cryptic

- Across**
- Pressure units to rearrange a second Spanish class (7)
 - Old video exam about regularly ignored beasts (7)
 - On arrangement, tape over first album and disappear (9)
 - Idiot no more energy left somehow (5)
 - Plant straw around shrubbery? (10, 4)
 - State unusual things about her origins (4)
 - Letters about gran and a groom revealing who's who (10)
 - Timed pace right around the compound (10)
 - Dust around the stable (4)
 - Protégé son once developed x-ray machine (14)
 - Here in France ear tips are colder (5)
 - Pizza topping cited as favourite (9)
 - Yankee casts around with energy, it's bliss! (7)
 - Test any ales drunk (7)

- Down**
- Either way, it's a quick look (4)
 - Swedish scientist unearths ravines abroad (6, 9)
 - Nerd Nora trapped by a final trick (6)
 - Engineer trusts bar illumination (9)
 - Obscure part of Marble Arch (5)
 - Mom to try recycling the rubbish (8)
 - Eery epigram true about element discoverer (10, 5)
 - Cross inmate had surprising substance (10)
 - Mum's métier maybe seasonal? (10)
 - Galaxy made radon transmute (9)
 - Fancy cabaret I joined not without bugs! (8)
 - Complaint about extremely erratic maze (6)
 - Clear to tempt you just a little (5)
 - Trim some outdated gear (4)

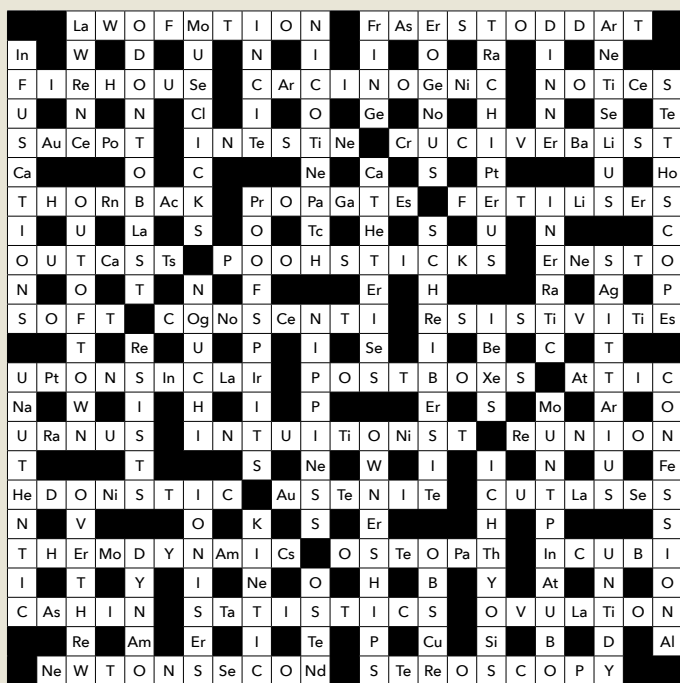
Quick

- Across**
- Hearable (7)
 - Relating to the conjunction of celestial bodies (7)
 - Fat cell (9)
 - More recent (5)
 - Bird studiers (14)
 - Birthplace of Enrico Fermi (4)
 - Enzyme (10)
 - Plumbago (6, 4)
 - Fever (4)
 - English cosmologist, theoretical physicist and author of *A Brief History of Time* (7, 7)
 - Flame test colour of thallium (5)
 - Increasing rate of a chemical reaction by a substance that is not consumed in the reaction (9)
 - Scorned (7)
 - Precursors of foetuses (7)

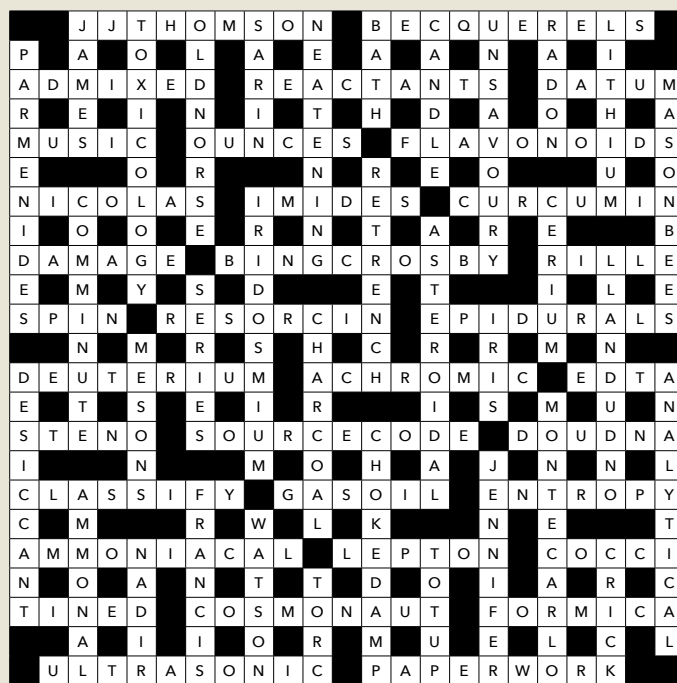
- Down**
- Jelly-like substance obtained from red algae and often found in Petri dishes (4)
 - Russian chemist who formulated the periodic law (6, 9)
 - Vitamin B₇ (6)
 - Having redness of the skin (9)
 - Orbit of an electron around a nucleus (5)
 - 10⁻¹² kg (8)
 - US radiochemist and co-discoverer of five superheavy elements (4, 11)
 - Named in a religious ceremony (10)
 - Glucose (5, 5)
 - Pledge (9)
 - The B in the organochlorine PCB (8)
 - First US space station (6)
 - Type of rechargeable battery, named after the two key chemical elements in it (5)
 - Snakes (4)

December 2021 solutions and winners

Cryptic elements crossword



Quick crossword



December winners

Cryptic elements crossword
RH Whiteley, Lechlade, UK

Quick crossword
Shirley McKay, St Athan, UK