

### November 2020 wordoku

				E			L	
				I				
R			M			S	P	I
		L			M		E	P
	S	A				T	M	
E	R		A			L		
T	E	R			S			M
				M				
A			R					

A
E
I
L
M
P
R
S
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 a University of Cambridge researcher whose work on brain interface bioelectronics featured in a recent issue of *Chemistry World*.

### November 2020 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	

### 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 November 2020**. The winners of this month's puzzles will be published in the December 2020 issue, along with the solutions.

Email: [chemistryworld@rsc.org](mailto:chemistryworld@rsc.org)

Name .....

Address .....

.....

.....

.....

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](http://www.chemistryworld.com/privacy)).

### November 2020 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

Novel by H Rider Haggard (3)

Poultry (4)

Door fittings (6)

Moans (7)

Uncertainty principle developer (6, 10)

## Cryptic

## Across

- 1 Steer around timber (5)  
 4 Groan about oddly ignored emails revealing something alive (8)  
 8 After a fashion, maniacs ensnare the polymath (11, 3)  
 10 8 Across massaging a scalp? (6)  
 11 Contestants the least prepared (8)  
 13 I clothe in style for the stone age (9)  
 14 First ashram hiding hoard (5)  
 15 Sam's chopped up a tree (5)  
 17 Somehow stalwarts broke the camel's back (4, 5)  
 19 Hotel lechers upsetting the astronomer (8)  
 20 Protein nice as new (6)  
 23 Scientist ordered shooting patrol (14)  
 24 Led Dopey around set up (8)  
 25 Sage's letters about states of matter (5)

## Down

- 1 Both ripostes involving bug (5)  
 2 Nuclear scientist engineers newer tolerances (6, 1, 8)  
 3 I ask about oddly heroic hunter (7)  
 4 Expel first Oxford University students tomorrow (4)  
 5 Biologist testing ice abroad (10)  
 6 Pestors nearly everyone heading for Leeds perhaps (7)  
 7 On arrangement I arrest unshaven chemist (6, 9)  
 9 Avoid some relative's chewing (6)  
 12 Cyclone had transformed mineral (10)  
 13 Even Tony left symphony playing to the fairies (6)  
 16 Left second in charge mixing a cool drink (7)  
 18 Oscar barges around radiochemist (7)  
 21 Registers tenors right away surprisingly (5)  
 22 Spy connection (4)

## Quick

## Across

- 1 Organic matter in soil (5)  
 4 Exposed surface in mine (4, 4)  
 8 Co-discoverer of the buckminsterfullerene (7, 7)  
 10 Japanese military dictator (6)  
 11 Rarest naturally occurring element in the Earth's crust (8)  
 13, 6 Down Scottish chemist who first put forward the concept of catalysis (9, 7)  
 14 Japanese physicist who shared the 1973 Nobel prize for work on electron tunnelling (5)  
 15 Unscripted (2, 3)  
 17 Military capacity (9)  
 19 Term coined by Sir Francis Galton for a set of beliefs on improving the genetic quality of humans (8)  
 20 Heterocyclic organic compounds containing four carbon atoms and one oxygen atom (6)  
 23 Resembling mould species such as those that produce aflatoxin, named after their resemblance to a holy water sprinkler (14)  
 24 Appraiser (8)  
 25 States of matter (5)

## Down

- 1 Leporids (5)  
 2 Scientists who study microscopic forms of life such as bacteria (15)  
 3 Laboratory implement often found in the top pocket of a lab coat (7)  
 4 Cipher (4)  
 5 Air above the Earth (10)  
 6 See 13 Across  
 7 Munitions such as nerve agents (8, 7)  
 9 Unit of fibre thickness (6)  
 12 Physics model of a theoretical state of matter where intramolecular forces are neglected (7, 3)  
 13 Vitrified coating (6)  
 16 Aromatic compound first isolated by Michael Faraday in 1825 (7)  
 18 American scientist who won the Nobel prize in chemistry and the Nobel peace prize (7)  
 21 Chambers that catch undesired fluids (5)  
 22 Daminozide (4)

## October 2020 solutions and winners

## Cryptic crossword



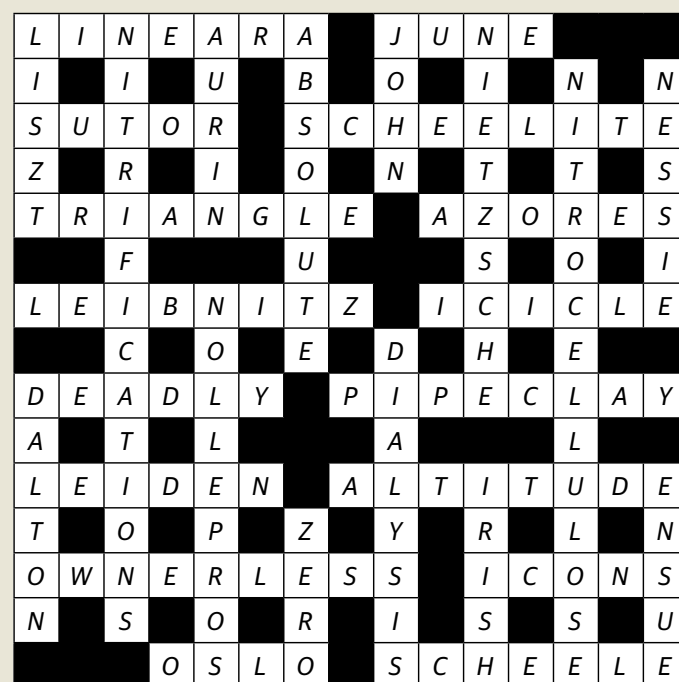
## Wordoku

The bicyclic alkaloid was  
TROPINONE

## Science scramble

- 1 Rim      4 Primer  
 2 Prim     5 Perimeter  
 3 Prime    6 Marguerite Perey

## Quick crossword



## October winners

- |                  |               |                   |                 |
|------------------|---------------|-------------------|-----------------|
| Science scramble | Wordoku       | Cryptic crossword | Quick crossword |
| Christine Price  | R O Williams  | Lee Vousden       | William Pickup  |
| Cowes            | Lee-on-Solent | Earlswood         | Oswaldtwistle   |