

### May 2020 wordoku

			I				A	
	A	C				I	T	M
C				M	S	D		R
	E		R		T		M	
S		R	C	E				T
E	T	I				C	S	
	D				I			

A
C
D
E
I
M
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 one of Europe's scientific advisers on coronavirus.

### May 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														
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, or alternative of equivalent value for non-UK residents.

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.

**This month we can only accept electronic entries for the puzzle competitions.** Please enter your details below and email a scan or photograph of this page with your completed entries to us by **20 May 2020**. The winners of this month's puzzles will be published in the June 2020 issue, along with the solutions.

Email: [chemistryworld@rsc.org](mailto: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](http://www.chemistryworld.com/privacy)).

### May 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

1	<input style="width: 95%;" type="text"/>	Unit of heat (3)
2	<input style="width: 95%;" type="text"/>	Ring (4)
3	<input style="width: 95%;" type="text"/>	First world war nurse who saved soldiers from all sides (6)
4	<input style="width: 95%;" type="text"/>	Mathematician who worked on the analytical engine (8)
5	<input style="width: 95%;" type="text"/>	British scientist known for the Gaia hypothesis (5, 8)

## Cryptic

## Across

- Return top hats and the umbrellas in a state? (4)
- Antelope stew edible after a fashion (10)
- Surprisingly signal odd ships for fishy beer ingredient (9)
- Prepare purée for money (5)
- Opulent, some worn at Eton? (6)
- Head seamstress is cross about clippers (8)
- Scientist afraid about alchemy article? (7, 7)
- Nobel prize winner whom tidal swell upset (7, 7)
- People like 17 Across shifting schist with me (8)
- I transmuted umber metal (6)
- Fool around with Dot and Kiki even (5)
- India too cross about reaction (9)
- Poet lets madman recompose (10)
- Just a lake? (4)

## Down

- Infirms leading university about outfits (8)
- Negative about niacin, love? (7)
- Originally ibexes roamed around native country (4)
- Arctic does become drier (10)
- Russian writer confused stork's pea-brain (5, 9)
- Oddly amused about open regular breathing (7)
- Fly around set twice (6)
- Crime writer recreates airtight case around original heroine's accomplice (6, 8)
- Usual Northern Ireland lot abroad howls (10)
- Doggedness took me around Canada! (8)
- Sort of brain that is European (7)
- A little man I lined up for compound (7)
- Split manuscripts about rich right away (6)
- Some chemical mineral (4)

## Quick

## Across

- Largest urban area in Germany (4)
- Chloroform for instance (10)
- The most common telluride of gold (9)
- Having fins (5)
- 22, 22 Across German organic chemist (1829-1896) (6, 6)
- Beginners (8)
- Birth control drugs or devices (14)
- Astronomer and mathematician who first described the hexagonal symmetry of snowflakes (8, 6)
- Affection (8)
- See 12 Across
- Infuse (5)
- Ethereal (9)
- Species of small, shelled reptile (4, 6)
- Swiss-Russian chemist known for his eponymous law of thermochemistry (4)

## Down

- Name (8)
- Symbol for a group of elements that means 'salt-producing' (7)
- Proton donor (4)
- Subject to too much radiation (10)
- Commercials (14)
- $C_6H_6$  (7)
- Naturist (6)
- First blood assay for syphilis named after the German bacteriologist who developed the technique (10, 4)
- Form of sucrose used for decorating cakes (5, 5)
- Coolers (8)
- Form of public transport on which 12 Across reportedly dreamt of the structure of 7 Down (7)
- Essential amino acid (7)
- Ratify (6)
- Fossil fuel (4)

## April 2020 solutions and winners

## Cryptic crossword

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

## Quick crossword

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

## Wordoku

The immunologist was Michael NEUBERGER

## Science scramble

- Car
- Arch
- Larch
- Choral
- Cholera
- Rachel Carson

## April winners

**Science scramble**  
John A S Adams  
Chesterfield, UK

**Wordoku**  
Laurence Reed  
Hull, UK

**Cryptic crossword**  
Frankie Dunn  
Lymm, UK

**Quick crossword**  
Ernest Ward  
Liphook, UK

Scenario and solution provided CLEAPSS

Mercury has interesting properties that mean 'curious' pupils may be tempted to experiment on their own out of lessons. Strict controls should be in place to ensure popular chemicals like this are accounted for before the end of practical sessions. Once a chemical leaves the lab with a pupil, its use is not controlled and could lead to many unwanted situations including poisoning of the pupil or their friends (who will be unaware of its risks). Mercury can also be used in lift switches in bombs, and so disappearances must be reported to the police.

## Answer to On the spot

## On the spot

