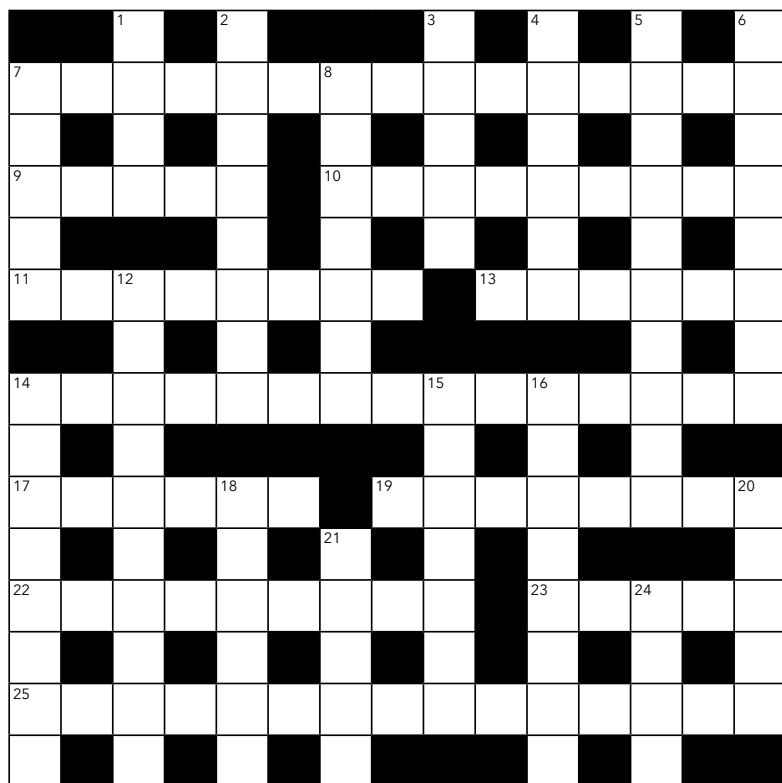
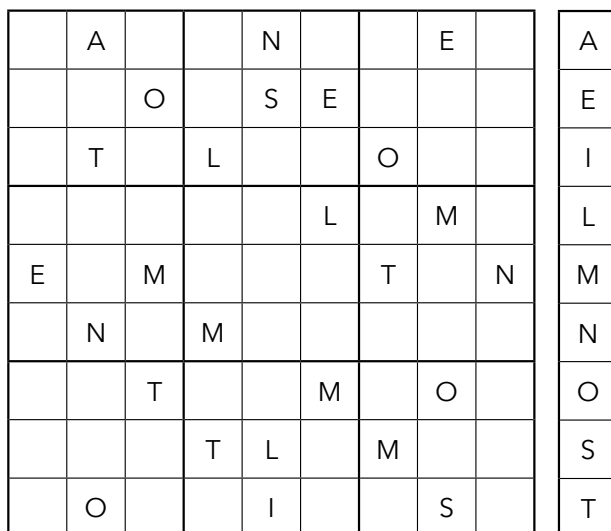


May 2023 crossword



May 2023 wordoku



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 a hormone that is involved in regulating sleep and circadian rhythms.

Cryptic

Across

- 7 Physicist rewrites new clearer notes (6, 1, 8)
- 9 He upsets any wild animal (5)
- 10 Surprisingly rotten fog not remembered (9)
- 11 Vacated treasury for arty part of Paris (4, 4)
- 13 Crafty redesign of state uniform (6)
- 14 Already chores go awry for the chemist (7, 8)
- 17 Some meat taint will make it (6)
- 19 A bet to get you agitated? (8)
- 22 Origin can be confused for the non-living (9)
- 23 Catch the physicist reportedly (5)
- 25 Physical chemist unearths ravines abroad (6, 9)

Down

- 1 Jack needs a little joint (4)
- 2 Tristan bulldozed part of a city (8)
- 3 In a crevice find mother of pearl (5)
- 4 Evidence discovered in top roof structure (6)
- 5 Trust in men to play the banjo, say? (10)
- 6 Sounds like rule my beloved followed to find the animal (8)
- 7 Perhaps they left the group (5)
- 8 Doctor done with Fifi's odd insults (7)
- 12 Partial about African lot (10)
- 14 Wackiest care about zits (8)
- 15 Unusual if force is commissioned (7)
- 16 Relative result of decay (8)
- 18 On arrangement, right away, storing blocks of metal (6)
- 20 Maybe share the birds (5)
- 21 Alloy in various parts (5)
- 24 Two ducks on the outskirts of Hawaii end up in another state (4)

Quick

Across

- 7 Nobel prize-winning pioneer of pulsed lasers (5, 10)
- 9 One form of electromagnetic radiation (5)
- 10 Iron and oxygen binding protein (9)
- 11 _____ College, London university renowned for its science and engineering (8)
- 13 Old counting apparatus (6)
- 14 Relationships between the relative quantities of substances taking part in a reaction (15)
- 17 Loops (6)
- 19 More concentrated (8)
- 22 Basic (9)
- 23 _____ Pauling, US chemist and peace activist (5)
- 25 Discoverer of francium (10, 5)

Down

- 1 Catch (4)
- 2 Chiral organic acid (8)
- 3 Former name of radon (5)
- 4 First US space station (6)
- 5 Cooking, usually performed outside (10)
- 6 Benign breast condition (8)
- 7 City and union territory of India (5)
- 8 Kettledrums (7)
- 12 Analytical chemistry technique involving absorption of light (10)
- 14 Solar rays (8)
- 15 Sailor (7)
- 16 Author of *Barchester Towers* (8)
- 18 Greek god of darkness (8)
- 20 Containing hydrated iron oxide (5)
- 21 Physicist awarded the Nobel prize for research on the splitting of spectral lines in electric fields (5)
- 24 Geek (4)

May 2023 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		Nocturnal mammal (3)
2		Pulsate (4)
3		Animal (5)
4		Haggles (7)
5		Go-between (8)
6		Rescuers (10)
7		Discoverer of 12 chemical elements (6, 7)

Quick quiz:

- Which Italian author, chemist and Holocaust survivor wrote a short story collection called *The Periodic Table*.
- Who wrote the pioneering explanatory science book *Conversations on Chemistry*, which features dialogue between the characters Caroline, Emily, and their teacher Mrs Bryant?
- Which English poet and author wrote of chemists: 'Men may hem ken by smell of brimstone; for al the world they stinken as a gote'?
- In which Charles Dickens novel is one character described '...like a gloomy Analytical Chemist: always seeming to say, after "Chablis, Sir?" – "You wouldn't if you knew what it was made of."'
- Which dystopian novel features the following quote about the recovery of phosphorus from crematoria:
'Fine to think we can go on being socially useful even after we're dead. Making plants grow.'

Solutions: 1. Primo Levi; 2. Jane Marcet; 3. Geoffrey Chaucer (in *The Canon's Yeoman's Tale* from *The Canterbury Tales*); 4. Our Mutual Friend; 5. *Brave New World*

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 May 2023**. The winners of this month's puzzles will be published in the June 2023 issue, along with the solutions.

Email: 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).

May 2023 Word grid

Use the element symbols from the panel on the right to complete the word grid below.

	H		Ge	
Lu		S		
	H	I		O
				Si
S		Y		S

C	Cr
Er	F
K	N
Ne	La
Os	P

April 2023 solutions and winners

Cryptic

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

Quick

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

Wordoku

The Italian chemist was
Giacomo CIAMICIAN

Science scramble

- Ear; 2 Reap; 3 Spare;
- Amperes; 5 Repayments;
- Marjory Stephenson

Word grid

Br	U	S	He	S
I		Cu		W
C	O	P	P	Er
K		P		V
S	Cl	Er	Os	Es

April winners

Science scramble
Andy Hard
Macclesfield, UK

Wordoku
Iain Melville
Preston, UK

Cryptic crossword
Jim Jamieson
Buckinghamshire, UK

Quick crossword
Rachel Sirotinina
Cambridge, UK