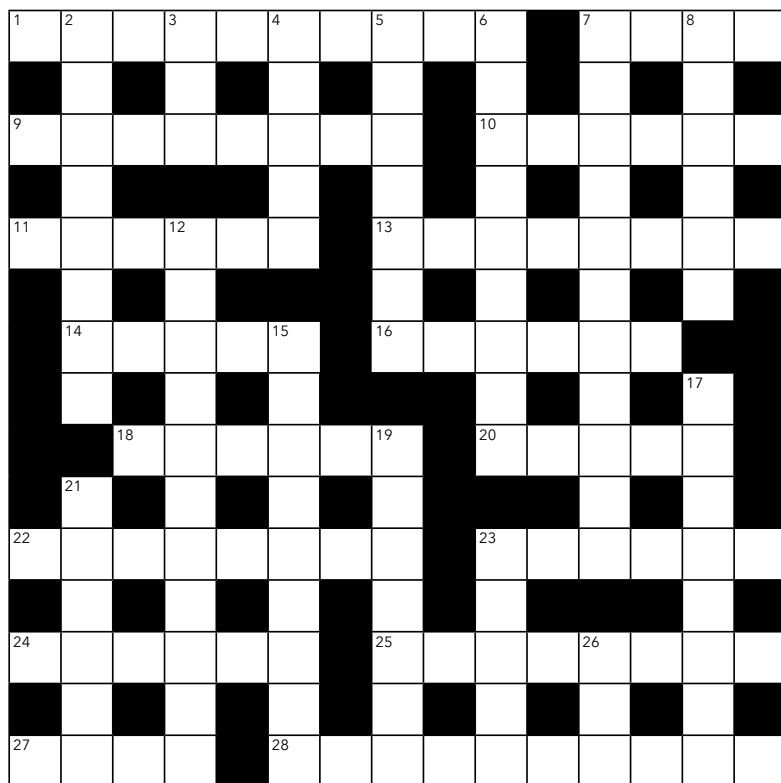


## March 2025 crossword



## March 2025 wordoku

	E		A		S		M		A
O								A	E
		T				E			L
		O	L		T	A			M
	L						S		O
		V	M		R	T			R
		L				V			S
A								R	T
	M		T		E		A		V

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 piece of electrical laboratory equipment.

## Cryptic

## Across

- Equipment dwarfs lake abroad (5, 5)
- Light element? (4)
- A lighter sort of mineral (8)
- Extremely light tyre could become explosive (6)
- Composer harms first British engineer (6)
- Good French saks for Guy Fawkes night (8)
- Flip a dime for something on TV (or in the Petri Dish)? (5)
- See 18 Across
- 16 Across Turn car left, search - no conservationist here! (6, 6)
- Mixed 14 compound (5)
- Constant drag around V&A on orders initially (8)
- See 19 Down
- Two speakers outwardly orate rest on arrangement (6)
- Oval form of suet makes an egg (8)
- Stain weight (4)
- Overhaul Dad's diesel for a different kind of ride (10)

## Down

- Sayings about 27 pies (8)
- Burnt remains of a particular tree? (3)
- Patterns of paperwork? (5)
- Still beer Mike originally bought in cans (7)
- Condition upsets our intake (9)
- Cross about current direction? NO! (6, 5)
- Gen Y over around ten for gas (6)
- Right gaudy myrrh transformed into metal (11)
- Without water - hand yours over! (9)
- Surprisingly lean, ripe, and down below (8)
- 19, 23 Across Letters about Pole modelling for the German chemist (7, 6)
- Figure sailor following girl (6)
- Glass the French replaced with gold for the German polymath (5)
- Admiral regularly returns to help (3)

## Quick

## Across

- See 23 Down
- Memo (4)
- Rarest naturally-occurring element in the Earth's crust (8)
- Very rich person (6)
- 11, 23 Across French philosopher, physicist and mathematician known for an eponymous wager (6, 6)
- Come out again (8)
- Daughter of Tantalus in Greek mythology and origin of the name of an element difficult to separate from tantalum in ores (5)
- Specific group of atoms within a molecule that determine its chemical reactions (6)
- Mediterranean island after which metallic element gets its Latin name (6)
- Plum pudding \_\_\_\_\_, early representation of an atom's internal structure (5)
- See 2 Down
- See 11 Across
- Swelling in the neck sometimes caused by iodine deficiency (6)
- Limits (8)
- Snakes (4)
- Mineral named after a Russian mine official from which a new element was discovered (10)

## Down

- 2, 22 Across Chemist and X-ray crystallographer who helped elucidate the structure of DNA (8, 8)
- Snake (3)
- Body fluid from which phosphorus was first isolated (5)
- Proposition (7)
- Element that shares its first four letters with a girl's name (9)
- The building blocks of DNA - adenine, thymine, guanine, and cytosine (11)
- Pneumatic \_\_\_\_\_, laboratory apparatus for collecting gases (6)
- Compounds containing the group R-N=C=O (11)
- People listed as members of a course, college or group (9)
- Hypothetical universal solvent sought by alchemists (8)
- Solar ray (7)
- Misfolded proteins that can cause fatal brain diseases in humans and animals (6)
- 1 Across German physicist credited with co-discovering several elements at the GSI facility at Darmstadt (5, 10)
- Large member of the deer family (3)

## Quick quiz:

1. Which single layer carbon allotrope was discovered on sticky tape that had been rubbed on graphite?
2. There is a National Institute in the UK dedicated to applications of the above. Which city is it in?
3. There is a museum in the Lake District in the UK dedicated to one particular use of graphite. What is it?
4. C<sub>60</sub> buckyballs are named after an architect known for his geodesic domes. What was his name?
5. 'O Diamond! Diamond! Thou little knowest the mischief done!' This quotation has been attributed to Isaac Newton. What was he referring to?

Solutions: 1. Graphene 2. Manchester 3. Derwent Pencil Museum, Keswick 4. Richard Buckminster Fuller 5. His dog Diamond, who had knocked over a candle and set fire to several years worth of work.

## Entry form

There are four prize puzzles on this page: cryptic crossword; quick crossword; wordoku; and coronene. 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 **17 March 2025**. The winners of this month's puzzles will be published in the April 2025 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)).

## March 2025 coronene puzzle

Place each of the seven element symbols in one hexagon of coronene to spell three words, one horizontally and two diagonally. Plural words are allowed, but you may not switch the order of the letters in any two-letter symbols (eg, sodium must be Na, not aN). The four symbols in the central hexagon of each of this month's coronenes can be combined to spell the name of a Dutch synthetic organic chemist and Nobel prize winner.

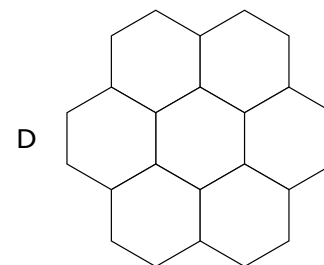
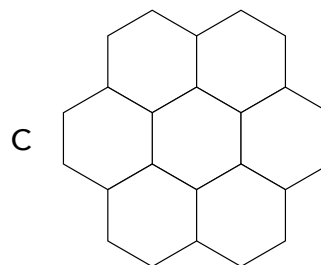
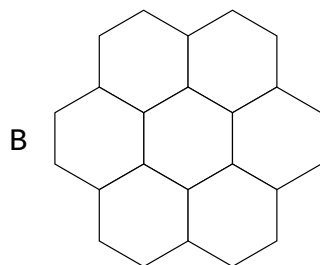
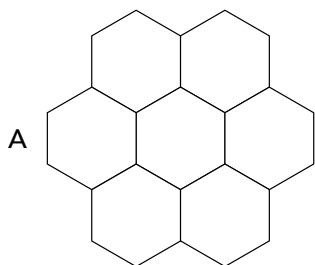
Elements:

A. Be, F, Fe, Ga, Og, Ra, Ts

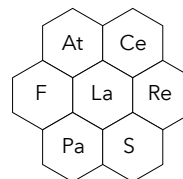
B. Cl, Er, H, K, O, V, Y

C. Fr, Ge, K, In, Po, Th, Ts

D. Ga, In, Li, Ne, Nd, Re, Te



For example:



Answers:

Atlas

Flare

Palace

## February 2025 solutions and winners

## Cryptic

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

## Quick

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

## Wordoku

The US chemist who combines chemistry and biology in the science of therapeutics was (Stuart) SCHREIBER

## Coronene puzzle

- A. Crags, Pager, Wages  
B. Honey, Knees, Runes  
C. Cosy, Laser, Lists  
D. Alibi, Brine, Friar

The name of the Italian philosopher and mathematician with an asteroid and crater on Venus named after her was (Maria Gaetana) Agnesi.

## February winners

**Coronene**  
Rachel Sirotnina  
Cambridge, UK

**Wordoku**  
Chris Hoggart  
Rye, UK

**Cryptic crossword**  
Jim Murdoch  
Solon, US

**Quick crossword**  
Mark Sambrook  
Marlborough, UK