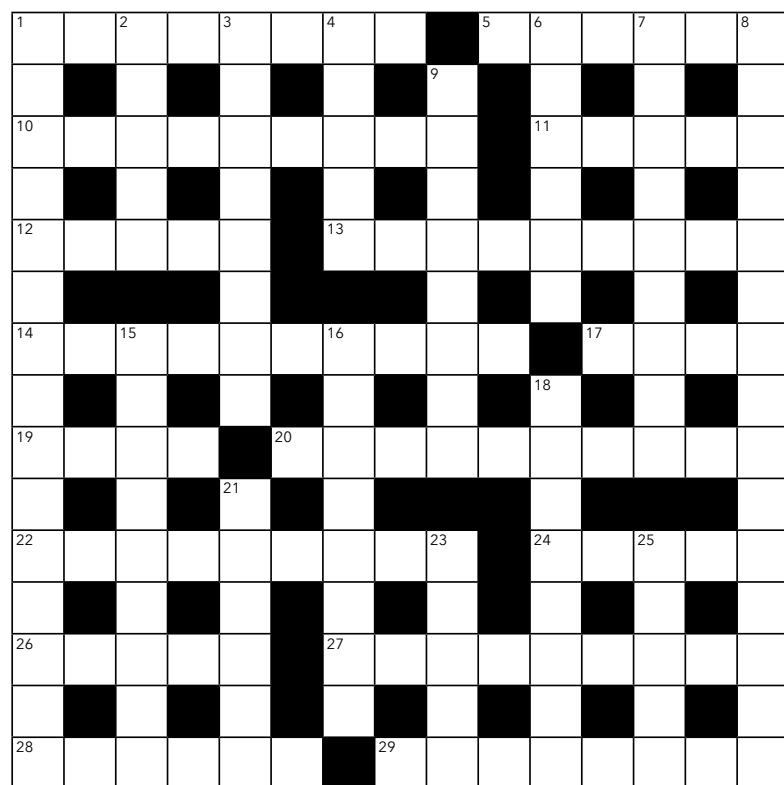


August 2025 crossword



August 2025 wordoku

I	S				N	R			A
		E	I					P	E
				P				N	I
					R	I			M
	N			A			R		N
		M	P						P
S				T					R
T					I	P			S
		R	N				M	T	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 an artificial sweetener.

Cryptic

Across

- 1 May mind about first session's energy (8)
- 5 See 25 Down (6)
- 10 I'd no chain around the region (9)
- 11 See 28 Across (5)
- 12 Less common (and not cooked as much) (5)
- 13 Lake dog? It comes with strings attached! (9)
- 14 Uranium miner takes time transmuting the element (10)
- 17 Wife cut short? I could make a connection (4)
- 19 Shows approval for 102 and 110 periodically (4)
- 20 Surprisingly keen if I'll cross mathematician with some bottle (5, 5)
- 22 Strange kind of orbit? (9)
- 24 I love spinning such a fine fabric (5)
- 26 Teach in a shed if you want (5)
- 27 Plain green site developed (9)
- 28, 11 Across At sea, heading for Europe draws naval forces (3, 3, 5)
- 29 Bounces back and replaces the upholstery (8)

Down

- 1 Russian chemist reminded me about live transmission starting (6, 9)
- 2 Bottom drain sorted (5)
- 3 Initially easy-going American over fancy food (8)
- 4 Unit left bits around (5)
- 6 Alternatively healthy writer? (6)
- 7 I mix silicate to turn this into *this* (9)
- 8 Animals limited in savannas abroad (9, 6)
- 9 Outspoken welcome for myself could be cheesy! (8)
- 15 Type of introduction but without the right to? (9)
- 16 Plant right in front of the old rat (3, 5)
- 18 Some mistook a Van Gogh for a flower (8)
- 21 My zen energy get a reaction going (6)
- 23 See 25 Down (5)
- 25, 5 Across, 23 Down Rejoice about routine left for radiochemist (5, 6-5)

Quick

Across

- 1 Element used as an antifraud device in certain banknotes (8)
- 5 Rotten (6)
- 10 Element found by Austrian chemist Carl Auer von Welsbach in 1855 (9)
- 11 Biochemist who revealed energy-generating cycle in cells (5)
- 12 Japanese rice dish (5)
- 13 Place in Scotland after which an element is named (9)
- 14 Palaeontologist with statue in Lyme Regis, Dorset (4, 6)
- 17 Some subatomic particles named after which Indian physicist (4)
- 19 A silicon ____ can be the core of a modern computer (4)
- 20 Measure of speed in relation to the speed of sound (4, 6)
- 22 Element name derived from the Greek for 'to lie hidden' (9)
- 24 Mineral historically used to make stone tools (5)
- 26 C_8H_{16} group (5)
- 27 Ring of light around the sun (5, 4)
- 28 Norwegian chemist and Nobel Laureate (6)
- 29 Mineral property measured on the Mohs scale (8)

Down

- 1 Biologist who, with James Till, demonstrated the existence of stem cells (6, 9)
- 2 Chess pieces and members of the crow family (5)
- 3 Type of chemist that 28 Across was (8)
- 4 The International System of ____, known by the abbreviation SI (5)
- 6 Hydrocarbon with formula C_nH_{2n+2} (6)
- 7 Chemically bind a substance to a surface (9)
- 8 The d in dps, a unit of measurement for radioactive decay (15)
- 9 Food colour permitted in the UK with an E number E123 (8)
- 15 Lights again (9)
- 16 Proximity (8)
- 18 Having pH controlled chemically (8)
- 21 Postpone (6)
- 23 Mediterranean island country (5)
- 25 Likeness (5)

Quick quiz:

- Who accidentally discovered radioactivity with a photographic plate and a crystal of uranium wrapped in black paper?
- Which sweetener was discovered in 1965 by organic chemist James Schlatter when he was searching for a treatment for gastric ulcers?
- Which performance-enhancing drug was originally developed by Pfizer to treat a heart condition?
- Which form of electromagnetic radiation was discovered accidentally in 1895 by a German physicist, who subsequently became the first recipient of the Nobel prize in physics and had an element named after him?
- 'A good gulp of hot whisky at bedtime – it's not very scientific but it helps' was the advice of a famous British microbiologist for the treatment of colds. Who was it and what did they discover by accident?

Solutions:
1. Henri Becquerel 2. Aspartame 3. Viagra 4. X-ray 5. Sir Alexander Fleming, Penicillin

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 **18 August 2025**. The winners of this month's puzzles will be published in the September 2025 issue, along with the solutions.

Email: chemistryworld@rsc.org

Name

Address

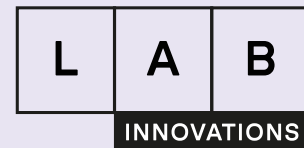
Participants are advised that any personal information supplied will be processed in connection with this competition and only in accordance with our privacy statement (www.chemistryworld.com/privacy).

Our puzzles are sponsored by Lab Innovations, the event where every scientist is in their element, will stir up solutions, and bond with others.

Lab Innovations is the UK's leading annual trade show for the laboratory industry

The UK's leading annual trade show for the laboratory industry is taking place on 29–30 October 2025 at NEC Birmingham. Bringing together scientists, suppliers, and industry professionals across sectors, it's the ultimate platform for discovery, networking, and innovation. This year's theme, "colLABorate," celebrates the power of working together to drive scientific progress. From cutting-edge tech to expert talks, Lab Innovations is where ideas mix, solutions form,

and the lab community bonds like never before. Get your free pass to the future of laboratories.



August 2025 coronene puzzle

Place each of the seven elemental 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 letter 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 out the name of an Italian physicist and first woman to be awarded a doctorate in science.

Elements:

A. B, Ca, Cu, Er, Es, Ru, Y

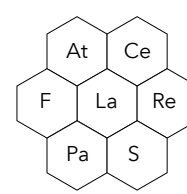
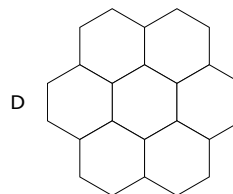
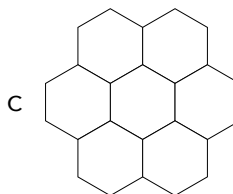
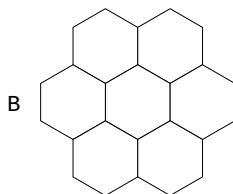
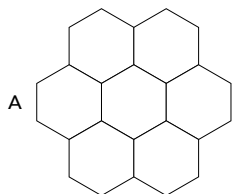
B. As, B, Cl, Fe, H, In, Ts

C. Co, Es, H, Po, No, S, Se

D. Ac, Ds, Ga, I, Ir, N, S

For example:

Answers:



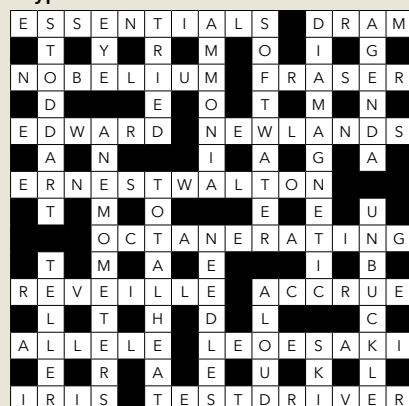
Atlas

Flare

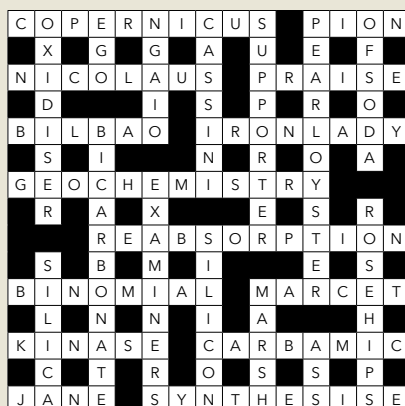
Palace

July 2025 solutions and winners

Cryptic



Quick



Wordoku

The family of hydrocarbons was ANNULENES.

Coronene puzzle

- A. Fewer, Owes, Swag
B. Alerts, Beers, Herb
C. Bank, Ponds, Tiny
D. Nerdy, Perk, Verge

The Swiss chemist and the first inorganic chemist to win the Nobel prize was (Alfred) Werner.

July winners

Coronene
Christopher Ward
Hemel Hempstead, UK

Wordoku
M Braham
Bushey Heath, UK

Cryptic crossword
Sue Tilstone
Congleton, UK

Quick crossword
Charlotte Levy
Yealmpton, UK