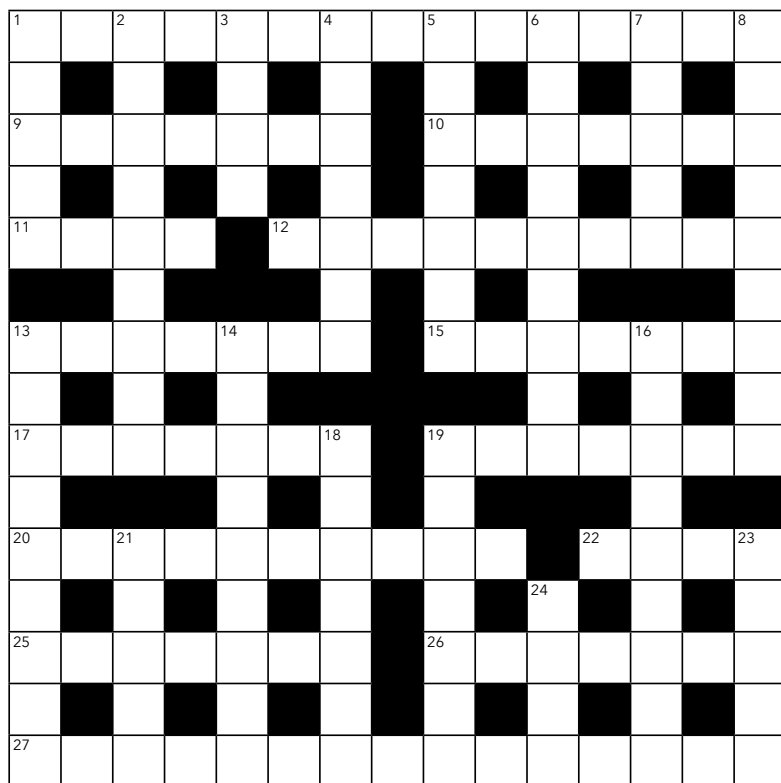


April 2025 crossword



April 2025 wordoku

T	M			S					A
						I	S		E
					U				I
			I				J		J
	E	M							M
J			S			T	I		R
S		A							S
		U		E			A	M	T
	I			R				U	U

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 Japanese chemist who researched the chemistry of green tea.

Cryptic

Across

- Leader's axe prank upset the inventor (9, 6)
- See 27 Across (7)
- Eva cut short, leaves a clever sort better understood (7)
- Force unit to have food reportedly (4)
- Supervise cleric following a disturbing start (10)
- Scattered spartans leave the north for the governors (7)
- Gain uniform speed after short trip (7)
- Flag and broadcast Hobbit character (7)
- Fan of muck right after the commercial? (7)
- Scans organs - image briefly developed (10)
- Rejig rota - it's the law (4)
- Persuaded, Bob lied terribly (7)
- Bridge builder in hotel for days (7)
- 9 Across
Crystallographer with worry of knighthood confounded doctor right away (7, 8, 7)

Down

- Trap hiding insect inside (5)
- See 8 Down (9)
- Skua knocked back by other seabirds (4)
- Uncovers dudes disturbing eastern borders (7)
- Acknowledgement of delivery of reworked recipe ahead of time (7)
- Am found in a smoke detector (9)
- Stark sort of landscape (5)
- 2 Down Astronomer stirring a hundred to convert (3, 6, 9)
- Flagged design - all in a pickle (9)
- Surprising stamina to become a bodyworker? (9)
- MC loves to confound polar explorer (5, 4)
- Football Association converted a yard into another measurement (7)
- I measured with this instrument (7)
- Alchemist returning to plead before the queen (5)
- Check half the auditorium (5)
- Something wrong underfoot by the sounds of it (4)

Quick

Across

- French chemist who discovered iodine (7, 8)
- See 17 Across (7)
- Small child (7)
- Cipher (4)
- Radiochemist and double Nobel prize recipient (5, 5)
- Bird and butterfly with 'eyes' on their wings (7)
- _____ Test - used to test for heavy metals in biological samples (7)
- 9 Across German physician and physiologist whose name is given to certain cells (7, 7)
- Own up (7)
- Attaching (eg of a fertilised egg to the wall of the uterus) (10)
- Systematic error (4)
- Enzyme involved in intestinal digestion (7)
- Cyclic ether used in certain glues (7)
- English chemist and mineralogist who discovered niobium (7, 8)

Down

- Alkaline (5)
- Add water to (9)
- Substance derived from red algae used in bacteriological culture media (4)
- Country of Carlsberg brewery, home to the lab where the pH scale was invented in (7)
- Spurious result (7)
- Opposite of oxidation (9)
- Lubricator (5)
- Howls (9)
- Loyal to one's country (9)
- Norwegian physical chemist who shared the 1969 Nobel prize in chemistry (3, 6)
- Disinfect (9)
- Ranks (7)
- SI unit of luminous intensity (7)
- Taxonomic category below kingdom and above class (5)
- Extract metal from its ore (5)
- Ancient neck ring (4)

Quick quiz:

1. Which UK city was known as Copperopolis due to it refining over 50% of the world's copper?
2. Where does the term 'copper-bottomed' come from when referring to a safe investment?
3. Roger Hiorns created the artwork *Seizure* by pumping 75,000 litres of copper sulfate solution into a waterproofed flat in London. This inspired the song 'Crystalline' by which singer?
4. The copper compound verdigris is named after which country?
5. 'The coils were tight round his fingers, and the current was methodically depositing a film of copper all over his hands...' wrote Dorothy L Sayers in her short story *The Abominable History of the Man with Copper Fingers*. In what did the unfortunate man die?

Solutions:
1. Swansea 2. Sheathing boat hulls with copper to prevent barnacles and other marine organisms 3. Björk 4. Greece. Verdigris translates as green of Greece 5. An electroplating vat

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 **21 April 2025**. The winners of this month's puzzles will be published in the May 2025 issue, along with the solutions.

Email: chemistryworld@rsc.org

Name

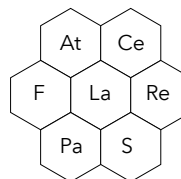
Address

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).

April 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 Nobel prize-winning medical physicist who developed the radioimmunoassay technique.

For example:



Answers:

Atlas

Flare

Palace

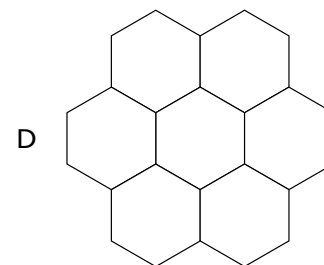
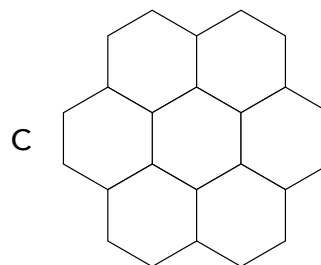
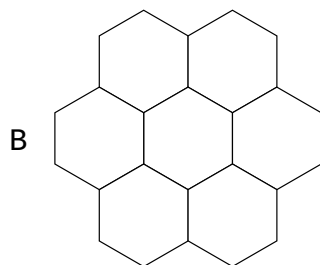
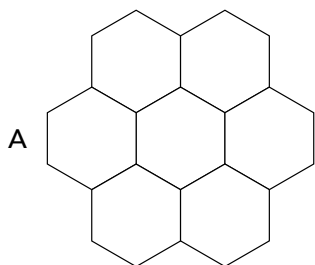
Elements:

A. B, Ba, Er, Fl, S, Te, Y

B. Al, Es, H, Os, S, Sc, Ts

C. Ac, Fl, O, Pr, Rn, Se, W

D. Co, Er, Ne, Po, S, Ts, W

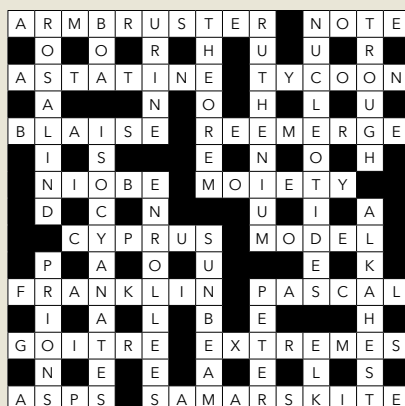


March 2025 solutions and winners

Cryptic



Quick



Wordoku

The piece of electrical laboratory equipment was a **VOLTMETER**

Coronene puzzle

- A. Befog, Gaffe, Rafts
- B. Clerk, Hero, Very
- C. Fringe, Points, Think
- D. Ligand, Negate, Regain

The person running across is (Ben) **Feringa**.

March winners

Coronene
Mark Nichols
Rugby, UK

Wordoku
Kathryn Brown
Etwell, UK

Cryptic crossword
Ian Reid
London, UK

Quick crossword
Nick Gudde
Windlesham, UK