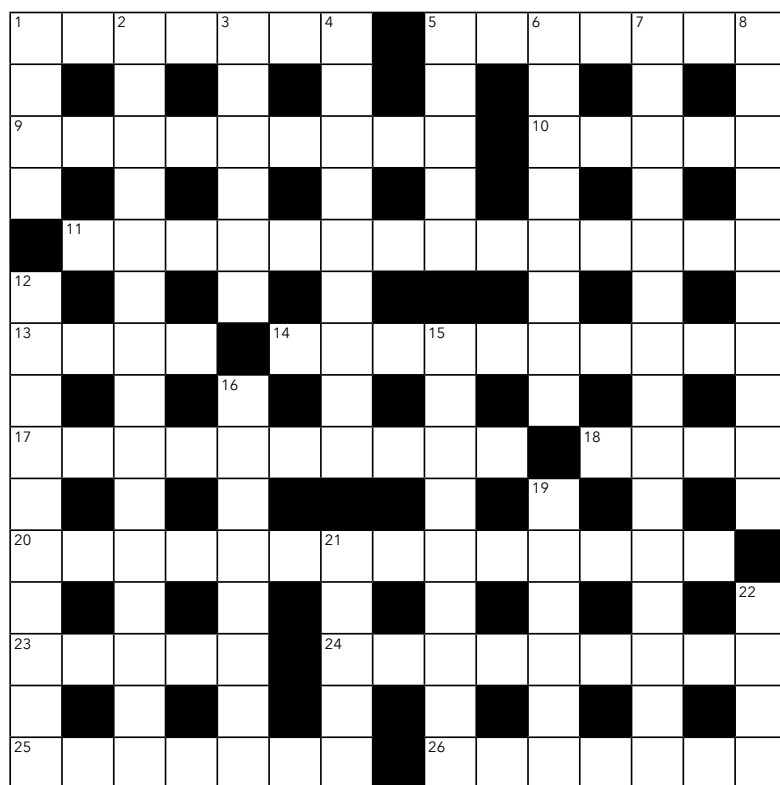


June 2025 crossword



June 2025 wordoku

U			L					E	A
		M			N	R			E
	A			R	F		M		F
	S	A						F	L
		U				E			M
L						U	A		N
	U		M	E			R		R
		L	N			A			S
R					S			N	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 substance which can pack together in 'peapod' structures.

Cryptic

Across

- 1 Love pen letters about to surround (7)
- 5 Wandering about domain with Charlie (7)
- 9 Chicken farm for the physicist? (9)
- 10 Fast over - slowly does it! (5)
- 11 Chemist borrowed toward development (6, 8)
- 13 Give out a little semitone (4)
- 14 Heat a stone to get the compounds (10)
- 17 Dirty cases overturned for the mineral (10)
- 18 Fans in Everton holding a function (4)
- 20 Visitor rang Sky about the composer (4, 10)
- 23 Ordered large drink (5)
- 24 Add fizz to cabaret? No style! (9)
- 25 Turns down sister's concoction (7)
- 26 Disturbed lads can become an embarrassment (7)

Down

- 1 Engrave some sketches (4)
- 2 Old queen scrounges for some cakes (8, 7)
- 3 A piece of smelly cheese? Could be fruity! (6)
- 4 Pat treated sorest glands (9)
- 5 Surprisingly right into this group (5)
- 6 Redesigned one model instrument (8)
- 7 Lads cannot drink around this physicist (5, 10)
- 8 Spooner to cut old general for 12? (4, 6)
- 12 Treated wild leek with extremely reactive herbicide (10)
- 15 Engineer left out rival unit's software (9)
- 16 Reassure about the cancellations (8)
- 19 Country doctor initially ambling along (6)
- 21 Rick's oddly OK smashing stones (5)
- 22 Philosopher who sounds disgusting (4)

Quick

Across

- 1 See 10 Across (7)
- 5 Sweet liqueur or food flavouring tasting of almonds (7)
- 9 Bathe without clothes (6-3)
- 10, 1 Across Nobel laureate and discoverer of telomerase (5, 7)
- 11 Science which explores how atoms, ions, free radicals and molecules interact outside the Earth's atmosphere (14)
- 13 Average (4)
- 14 Flowering plant sometimes called Queen Anne's lace (4, 6)
- 17 Observer (10)
- 18 At one time (4)
- 20 Group of microorganisms considered to be an ancient form of life (14)
- 23 Freight (5)
- 24 Plumbism (4, 5)
- 25 Contractility (7)
- 26 Discoverer of the electron (7)

Down

- 1 Strong current of air (4)
- 2 US organic chemist and Nobel laureate (5, 5, 5)
- 3 Proton _____, also known as acids (6)
- 4 The 'red' in 'redox' (9)
- 5 Indian currency (5)
- 6 Calculated (8)
- 7 Fundamental concepts (5, 10)
- 8 Metal containing iron, carbon and other elements to improve on mechanical properties (5, 5)
- 12 Measures of opposition to electrical flow, symbol Z, measured in ohms (10)
- 15 Dehumidifier (9)
- 16 Containing Element 22, especially in its trivalent state (8)
- 19 Hook and loop fastener invented by a Swiss engineer after noticing plant burrs sticking to a dog (6)
- 21 Lightning discharges (5)
- 22 Survey (4)

Quick quiz:

1. French chemist Bernard Courtois discovered iodine in 1811 as a purple vapour emanating from seaweed ash when he added sulfuric acid to it. But what was he trying to make?
2. Iodine-131 saved the life of a famous radiochemist's mother who was suffering from hyperthyroidism. They were the first person to have an element named after them while still alive. Who were they?
3. Which Nobel prize winning German chemist developed the use of chlorine gas as a weapon in the Battle of Ypres in 1915?
4. Which French chemist won a Nobel prize for isolation of a very reactive element, and what was that element?
5. Philosopher and mathematician Bertrand Russell once wrote: 'The energy used in thinking seems to have a chemical origin ... For instance, a deficiency of [BLANK] will turn a clever man into an idiot.' Which element was he referring to and which gland is affected by its deficiency?

Solutions:
1. Saltpetre (potassium nitrate) for the Napoleonic war effort 2. Glenn Seaborg 3. Fritz Haber 4. Henri Moissan, fluorine 5. Iodine, thyroid gland

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 **20 June 2025**. The winners of this month's puzzles will be published in the July 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).

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RESTEK

June 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 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 the name of an American biologist who shared a Nobel prize for their work on the olfactory system.

Elements:

A. B, Ba, Ca, Co, Ra, S, Y

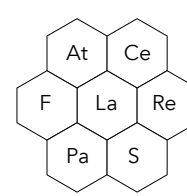
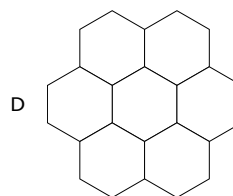
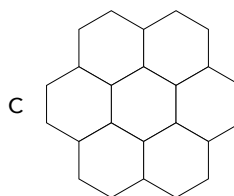
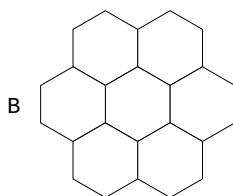
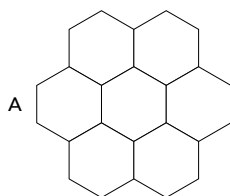
B. Cl, Ds, Es, Mo, S, Th, U

C. C, Ca, He, K, Lu, Na, Re

D. Ar, Bi, Ca, Er, Es, K, S

For example:

Answers:



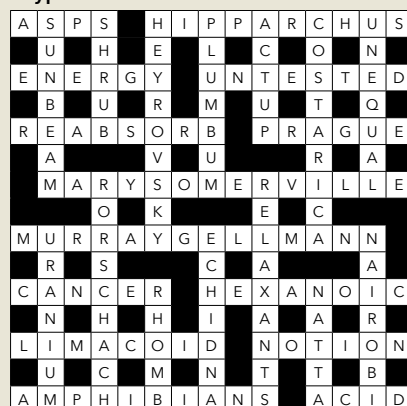
Atlas

Flare

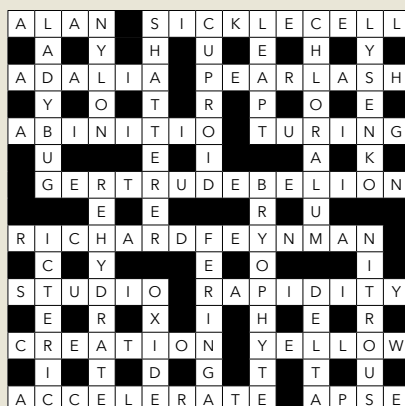
Palace

May 2025 solutions and winners

Cryptic



Quick



Wordoku

The chemist with a London blue plaque was Edward (Frankland)

Coronene puzzle

- A. Cohere, Sheds, Wheat
B. Caves, Never, Oval
C. Flesh, Fresco, Nests
D. Coypu, Crypt, Layer

The name of the Hungarian radiochemist and Nobel prize winner was (György) Hevesy.

May winners

Coronene
Peter Jelfs
Worcester, UK

Wordoku
Evert Ditzel
Howden, UK

Cryptic crossword
Michael Aicken
Spillsby, UK

Quick crossword
David Simmonds
Dartford, UK