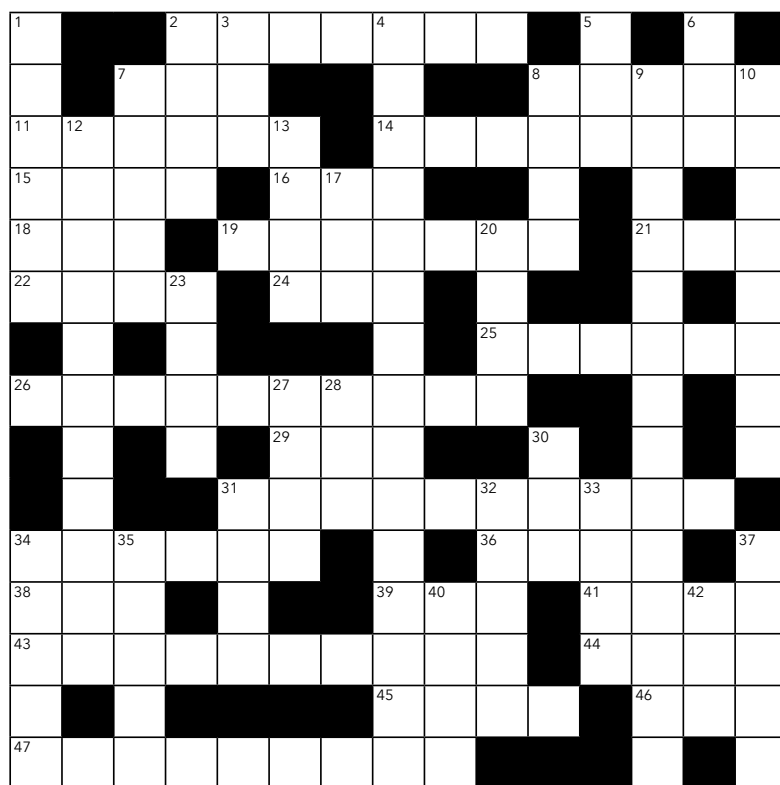


September 2025 crossword



September 2025 wordoku

										A
	N		C		A		R			C
	A		M	E	R		H			E
	M						C			H
A			R	H	C				N	M
S		H				R		E		N
E	H			C			S	R		R
	S						A			S
			S		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 Italian chemist specialising in the area of soft matter.

An innovative quick crossword

There's no cryptic crossword this month as we're looking ahead to this year's Lab Innovations event with a bumper quick crossword. Several of the clues and their solutions relate to the industries and activities you could expect to encounter if you attend Lab Innovations in Birmingham next month.

Across

- 2 Alternative to buying (7) 29 Element (3)
- 7 Large expanse of water (3) 31 Thermodynamic term meaning 'allowing heat to pass through' (10)
- 8 Type of renewable energy (5)
- 11 Not down (6) 34 Egyptian pharaoh (6)
- 14 Computer programs (8) 36 Watercourse (4)
- 15 Controversial plant growth regulator (4) 38 Anger (3)
- 16 Oil painting for instance (3) 39 Secure (3)
- 18 Abbreviated name for a south-east Asian country (3) 41 Quote (4)
- 19 Treated to be free of germs (7) 43 Interacting with others to share information and develop contacts (10)
- 21 One form of water (3) 44 Type of frost (4)
- 22 Snakes (4) 45 Gemstone (4)
- 24 Acronym of a unit for expressing masses of atoms, molecules or subatomic particles (3) 46 Member of a religious community (3)
- 25 Bunsen _____, a common sight in some laboratories (6) 47 Answers (7)
- 26 Method of producing a desired product by using living cells or their components (10)

Down

- 1 Lizard (6) 27 US industrialist and inventor of the elevator brake (4)
- 2 English illustrator also known for his nonsense verses (4) 28 Service of the US concerned with gathering and analysing information for national security (acronym) (3)
- 3 Hearing organ (3)
- 4 Laboratory hardware (15)
- 5 Sound with a frequency below 250 Hz is ___ frequency (3)
- 6 ___ infrared radiation is characterised by longer wavelengths (3)
- 7 _____ gas, another name for marsh gas, the main component of which is methane (5)
- 8 Eye condition (4)
- 9 Annual trade show for the laboratory industry (3, 11)
- 10 Scientific investigation (8)
- 12 Laboratory consumables (11)
- 13 Information (4)
- 17 One type of sleep (acronym) (3)
- 20 Scientific (4)
- 23 Drinks slowly (4)
- 30, 35 Down in its unrefined state (3)
- 31 Active display (4)
- 32 Dirge (5)
- 33 Physicist whose 'Number' relates the speed of flow or an object to the speed of sound (4)
- 34 Areas of ice for winter sports (5)
- 35 Name for the majority of the elements in the periodic table (5)
- 37 French science-fiction writer (5)
- 40 Taverns (4)
- 42 Elementary particle (3)

Quick quiz:

1. Which alkali metal is used for the treatment of psychiatric disorders and is also the title of a song by Nirvana?
2. Who was the first engineer to use this metal in a battery?
3. Tesla's 'Gigafactory 1' is a giant battery factory using this alkali metal. Where is it?
4. Which carbonated soft drink once had this alkali metal's salts in its formulation?
5. 'SCIENCE'S GREATEST DISCOVERY ... THE ATOM SPLIT AT 100,000 VOLTS ...' was a newspaper headline about the splitting of this alkali metal's nucleus into two alpha particles by firing protons at it. Where and when?

Solutions:
1. Lithium 2. Thomas Edison 3. Nevada, US 4. 7Up, its original name was 'Bib-Label Lithiated Lemon-Lime Soda' 5. Cavendish Laboratory, Cambridge, 1932

Entry form

There are three prize puzzles on this page: 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 **19 September 2025**. The winners of this month's puzzles will be published in the October 2025 issue, along with the solutions.

Email: chemistryworld@rsc.org

Name

Address

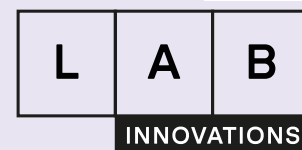
Participants are advised that any personal information supplied will be processed in connection with this competition and only in accordance with our privacy statement (www.chemistryworld.com/privacy).

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.



September 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, no aN). The four symbols in the central hexagon of each of this month's coronenes can be combined to spell out the name of a British physical chemist and novelist famous for their lecture *The Two Cultures* about the gulf between scientists and literary intellectuals.

Elements:

A. Ba, Cu, Es, In, P, Re, S

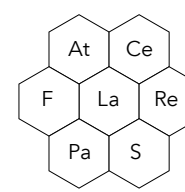
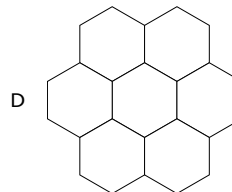
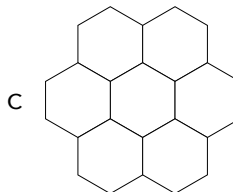
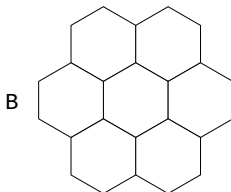
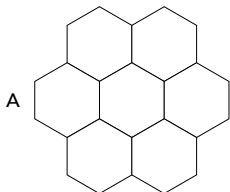
B. Bi, Ds, Er, I, In, K, N

C. Am, At, Fl, K, O, Rn, Sc

D. Ba, Dy, Er, N, O, Se, W

For example:

Answers:



Atlas
Flare
Palace

August 2025 solutions and winners

Cryptic

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

Quick

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

Wordoku

The name of the artificial sweetener was ASPARTAME.

Coronene puzzle

- A. Caber, Cubes, Ruby
B. Basin, Clash, Feasts
C. Cosh, Noses, Posse
D. Acids, Gain, Iris

The Italian physicist and first woman to have a doctorate in science was (Laura) Bassi.

August winners

Coronene
Steve Gill
Aylesbury, UK

Wordoku
Michael Howlett
Wirral, UK

Cryptic crossword
Bernard Costello
Dorking, UK

Quick crossword
Andrew Barton
Fareham, UK