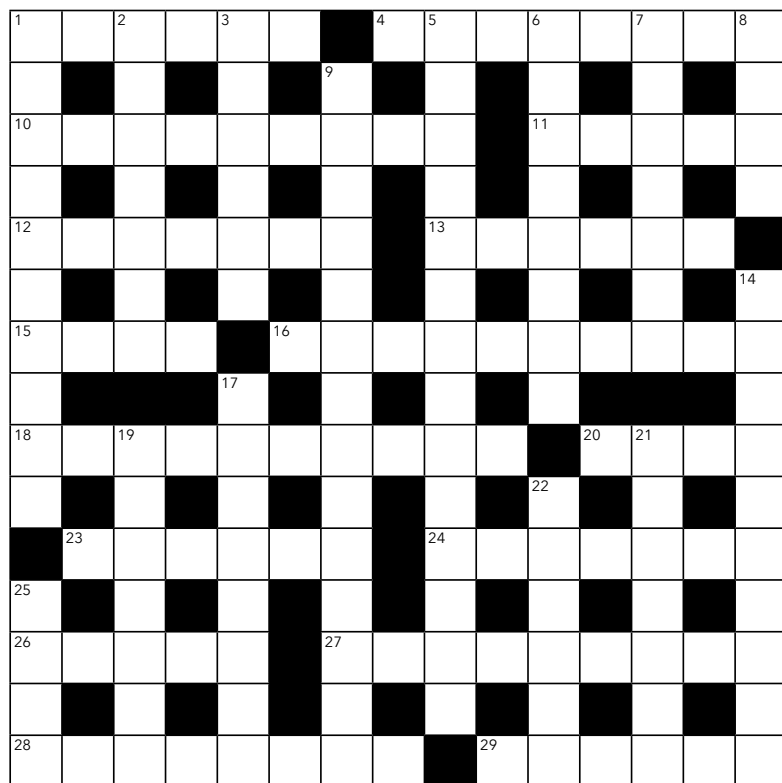


## November 2025 crossword



## November 2025 wordoku

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
|   |   |   | H |   |   |   | T |   | A |
|   |   | H |   |   |   |   | N | I | B |
| I | S |   |   |   |   |   |   | M | E |
| M |   |   |   |   | S |   | E |   | H |
| N | E |   |   |   |   |   |   | S | I |
|   |   |   | T |   | A |   |   |   | M |
|   |   |   |   | M | I |   |   |   | N |
|   |   |   | S |   |   | B |   |   | S |
|   |   | T | E |   | B | H |   |   | 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 a German chemist specialising in nanotechnology and photocatalysis.

## Cryptic

## Across

- Conservationist ordered no cars (6)
- Scents even Percy senses somehow (8)
- This doctor is great about R & R (9)
- Analyse some of Mandela's sayings (5)
- Diane's first ever fancy flavour (7)
- Perfect place to up AI abroad? (6)
- Check the cricket match? (4)
- Superman's nemesis? Sounds like an evening of digital spending (10)
- Yankee left burly rector to convert the chemist (6, 4)
- See 24 Across (4)
- Presides over a small rich development (6)
- 24, 20 Across I'll need call about the battery (7, 4)
- Compound found in box I'd emptied (5)
- Differing dive right in front of gent (9)
- Idle myth about the group (8)
- Fish steaks in a stew (6)

## Down

- Maybe try cabaret? It may get you going! (3, 7)
- Cocktail a singer gets back (7)
- Sample of The Savoy's terrific seafood (6)
- Pushy diva mixed myrrh for the Cornish chemist (3, 7, 4)
- Broken atom oddly becomes predicted 21 (3-5)
- Wanting nothing, casino is rebuilt for the astronomer (7)
- A little nasty eye condition (4)
- Revolutionary rockers did defy the radiochemist (9, 5)
- Till I composed clues for this condition (10)
- Arranged no permit for this pigment (8)
- I turn uniform rhomb into one of 21 (7)
- The Spanish meet around November for 25 perhaps (7)
- Papa leaves parka on ordering another coat (6)
- Growled oddly for something precious (4)

## Quick

## Across

- Red lead (6)
- Element predicted by Dmitri Mendeleev, who called it 'eka-boron' (8)
- Steroid hormone (9)
- SI units for power (5)
- South American river that lends its name to orimulsion, a synthetic fuel made from bitumen and water (7)
- The  $E$  in  $E=mc^2$  (6)
- German biologist and one of the founders of modern bacteriology and microbiology (4)
- Element originally isolated from urine (10)
- Antibiotic discovered by Alexander Fleming (10)
- Alkali (4)
- Mexican chemist who shared the Nobel prize in chemistry for work on the hole in the ozone layer (6)
- Most enthusiastic (7)
- Defence (5)
- Subatomic particles discovered by J J Thomson (9)
- Charade (8)
- Genuflects (6)

## Down

- Optical apparatus (10)
- British chemist who shared the Nobel prize in chemistry for the study of extremely fast chemical reactions (7)
- Harmony (6)
- German chemist who discovered germanium (7, 7)
- Capital of India (3, 5)
- Whole number (7)
- The  $m$  in  $E=mc^2$  (4)
- Crime writer, and author of *Strong Poison* in which arsenic is the murder weapon (7, 1, 6)
- Industrial disease caused by the inhalation of certain mineral fibres (10)
- Elemental series, atomic numbers 89-103 (8)
- Columbite (7)
- Another name for 2-propanone (7)
- SI unit of force (6)
- Davy \_\_\_\_\_; the invention of a Cornish chemist that has saved many miners' lives (4)

## Quick quiz:

1. Which subatomic particle is also the name of a type of cheese?
2. Theoretical physicist Murray Gell-Mann chose the pronunciation of the above from a work of fiction. What was it?
3. Which particle accelerator did the inventor refer to as a 'proton merry-go-round' and who was the inventor?
4. Which subatomic particle was predicted by Wolfgang Pauli, named by Enrico Fermi and discovered by a team working on a project initially called 'Project Poltergeist'?
5. Which subatomic particles is the Irish playwright George Bernard Shaw writing about in this passage: *'...why the men who believe in [BLANK] should regard themselves as less credulous than the men who believe in angels is not apparent to me.'*

**Solutions:**  
1. Quark 2. Flinnigan's Wake by James Joyce: 'Three quarks for Muster Mark' 3. Cyclotron, Ernest Lawrence 4. Neutrino 5. Electrons

## 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 November 2025**. The winners of this month's puzzles will be published in the December 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)).

Our puzzles are sponsored by Shimadzu.

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## November 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 American organic chemist and Nobel prize winner for their 'retrosynthetic analysis'.

Elements:

A. Ar, C, Ca, H, K, Lu, Ti

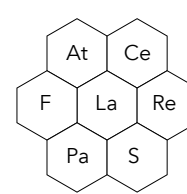
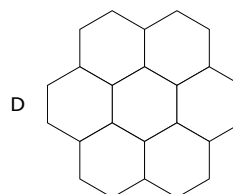
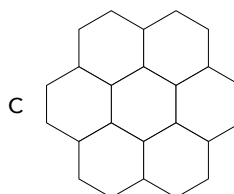
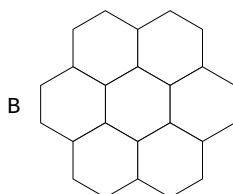
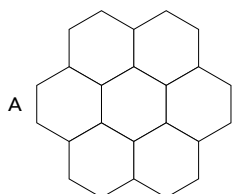
B. Dy, Ga, I, Mo, N, O, Y

C. Ag, Al, Ce, Es, Og, Re, S

D. Er, Fl, H, Mn, P, Re, Y

For example:

Answers:



Atlas  
Flare  
Palace

## October 2025 solutions and winners

### Cryptic

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

### Quick

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

### Wordoku

The class of antifungal drugs was CONIANTINS.

### Coronene puzzle

- A. Irrupt, Prune, Rerun  
B. Amber, Baby, Rabbi  
C. Hoik, Prism, Rhino  
D. Once, Pony, Singe

The American astronomer whose work provided evidence of dark matter and after whom an observatory in Chile is named is (Vera) Rubin.

### October winners

**Coronene**  
Christine Price  
Cowes, UK

**Wordoku**  
Robert Jacobs  
Oxford, UK

**Cryptic crossword**  
Teresa Sinclair  
Baldersdale, UK

**Quick crossword**  
James Irwin  
Stotfold, UK