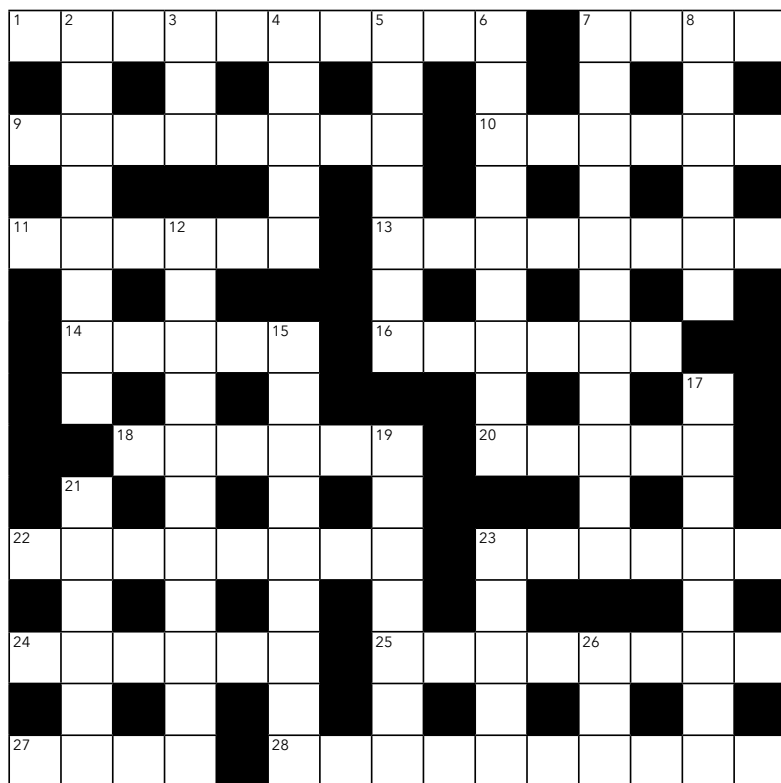
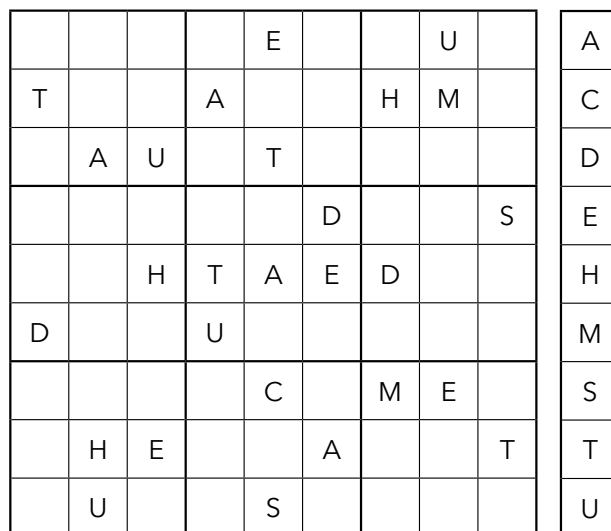


## January 2024 crossword



## January 2024 wordoku



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 an organic chemist who is a past winner of the RSC's Hickinbottom Award.

### Cryptic

#### Across

- 1 Cerium and a little iodine are transmuted by the radiochemist (5, 5)
- 7 Administer first region undertaking local elections (4)
- 9 Cross if I establish it partly turns to bone (8)
- 10 Not even Sue's lied about this inventor (6)
- 11 Fourth Erlenmeyer flask smashed to pieces (6)
- 13 Physicist has one large glass at Oktoberfest (8)
- 14 Stories having ends by the sounds of it (5)
- 16 Measures some slit resolutions (6)
- 18 Doctor bore my foetus (6)
- 20 Right away, senior creates a racket (5)
- 22 Best times of day to smooth things out? (8)
- 23 I love playing Mum's heavy metal! (6)
- 24 Camp leaves treated alpaca milk for something basic (6)
- 25 Recent erection abroad (8)
- 27 See 2 Down (4)
- 28 My regional version of this branch of geology? (10)

#### Down

- 2, 27 Across Blended booze rules at this low temperature (8, 4)
- 3 Old chemical company here in Paris? (3)
- 4 Scion ordered money (5)
- 5 Philosopher slurs the Spanish surprisingly (7)
- 6 End dotting about the physicist and astronomer (9)
- 7 Engineer rung one time for the element (11)
- 8 Chemist tremendous after rest (6)
- 12 Somehow I link a major to a mountain (11)
- 15 Metal unit battered by storm? (9)
- 17 Cutting down crude gin cocktail (8)
- 19 Spoon in a form of antibody (7)
- 21 Treat extremely vulnerable with love to develop (6)
- 23 Smell a portion of the food our chef made (5)
- 26 Even reveals the fish (3)

### Quick

#### Across

- 1 English philosopher and alchemist (5, 5)
- 7 Part of the eye (4)
- 9 Trustworthy (8)
- 10 Positively charged ion (6)
- 11 Skin complaint (6)
- 13 Substance complying with  $pV = nRT$  (5, 3)
- 14 Unemotional (5)
- 16 See 27 Across (6)
- 18 Transmittable pathogenic agents which are able to cause abnormal folding of certain proteins (6)
- 20 Strain (5)
- 22 Someone at a conference, for example (8)
- 23 Route finder (6)
- 24 Russian theoretical physicist who explained the remarkable properties of liquid helium (6)
- 25 Someone like 24 across (8)
- 27, 16 Across US biochemist who devised the polymerase chain reaction for amplification of DNA traces (4, 6)
- 28 German inorganic chemist and co-discoverer of rhenium (3, 7)

#### Down

- 2 Type of mine (4, 4)
- 3 Music publishing company famous for signing The Beatles and which also developed medical scanners (abbrev) (3)
- 4, 15 Down Indian scientist who worked on cosmic rays and particle physics (5, 9)
- 5 Alkali metal which gives a blue-violet colour in a flame test (7)
- 6 Largest nuclear organelle (9)
- 7 Possessing a high IQ (11)
- 8 Line connecting points of equal atmospheric pressure (6)
- 12 Kind to the environment (11)
- 15 See 4 Down (9)
- 17 Geologic period (8)
- 19 Bands of colours for example (7)
- 21 Layers (6)
- 23 Danish anatomist and geologist (5)
- 26 Flame test colour of lithium (3)

## January 2024 science scramble

Similar to a word ladder, each answer below provides letters that must appear in the answer immediately following it. The puzzle's final answer is a scientist or someone who contributed to science.

For example:

- 1 sail
- 2 snail
- 3 saline
- 4 minerals
- 5 Neil Armstrong

- 1  Transgression (3)
- 2  Trigonometric function (4)
- 3  Sear (5)
- 4  Prodigy (6)
- 5  Volcanic type of rock (7)
- 6  Innovative (9)
- 7  Scientist (4, 10)

## Entry form

There are four prize puzzles on this page: cryptic crossword; quick crossword; wordoku; and science scramble. 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 **22 January 2024**. The winners of this month's puzzles will be published in the February 2024 issue, along with the solutions.

Email: [chemistryworld@rsc.org](mailto:chemistryworld@rsc.org)

Name .....

Address .....

.....

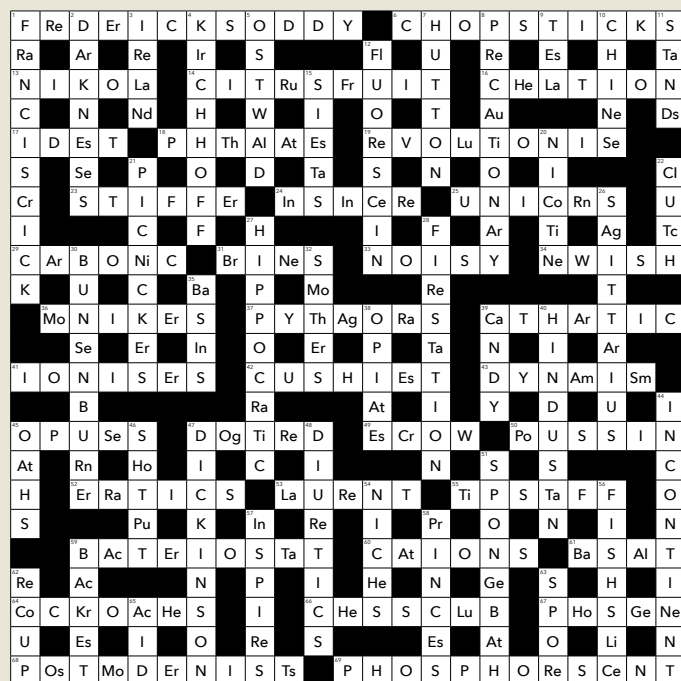
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Participants are advised that any personal information supplied will be processed in connection with this competition and only in accordance with our privacy statement ([www.chemistryworld.com/privacy](http://www.chemistryworld.com/privacy)).

## December 2023 solutions and winners

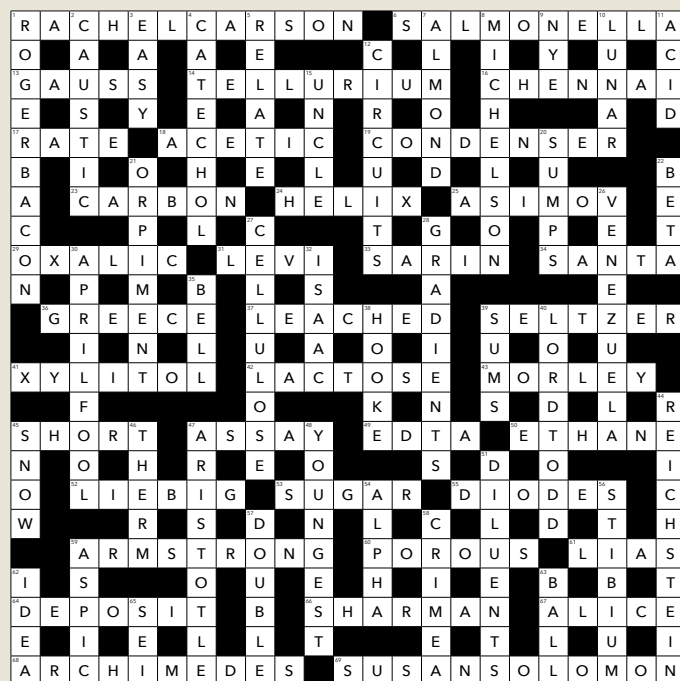
### Cryptic elements crossword



### December winners

Cryptic elements crossword  
K Perring, Ashford, UK

### Quick crossword



Quick crossword  
Lee Vousden, Earlswood, UK