June 2024 crossword


June 2024 wordoku

|  | T |  | L |  | V |  | I |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| L |  |  |  |  |  |  |  | S |
|  | I |  | A |  | E |  | T |  |
|  | L |  |  |  |  |  | S |  |
|  |  | T |  | O |  | I |  |  |
|  | O |  |  |  |  |  | M |  |
|  | A |  | M |  | O |  | V |  |
| E |  |  |  |  |  |  |  | L |
|  | S |  | E |  | T |  | O |  |


| A |
| :---: |
| E |
| I |
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| T |
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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, rearrange one of the overall diagonals to name a chemical biologist with a particular interest in peptides and proteins.

## Cryptic

## Across

1 Endlessly dull diet arranged for the technophobe (7)

5 City smart in the past? (7)
9 Bird found amongst some drummers and pipers (9)
10 A bit of calm by the sounds of it (5)

11 Editor's tipples prepared for these naturalists (14)
13 Rugby - but no golf - for the lady (4)

14 Copes with poses (10)
17 Trice I roll around for the physicist (10)

18 Bacteriologist who's quite a lightweight? (4)
20 Hope protective worked - liking the light! (14)

23 Book a little treat lassie! (5)
24 Maybe Mike left hot hotel
heading for Zanzibar to find the physicist (9)

## 25 See 1 Down (7)

26 Ivan ran a sort of paradise (7)

## Down

1, 25 Across Iris transmuted element for the physicist $(4,7)$

2 Dealer in bullion upset this person of principle $(6,9)$

3 Damage some blimp airship (6)
4 Proust oddly writing about evil ex

- could be dynamite! (9)

5 Weight of a vegetable, say? (5)
6 Without further ado, I try opium concoction. It's filth! (8)
7 Vandals and looters shook up a physicist $(10,5)$
8 Seamen pose abroad for a magic command $(4,6)$
12 You finally left most popular preparation for cell substance (10)

15 He left Nelly with Victor needing treatment on the peak (9)
16 Big car lacking energy in France? (8)

19 Engraver tetchier without it! (6)
21 Charlie left 19 Down for the compound (5)

22 Book craze left one hundred confounded (4)

## Quick

## Across

1 Listening (7)
5 Degrees of dimensions of the phase space (7)
9 British embryologist who led the team that cloned Dolly the sheep $(3,6)$
10 Type of acid named after a US physical chemist (5)
11 Blood scientists (14)
13 Insects which produce formic acid (4)

14 Trajectory of a rocket or missile $(6,4)$

17 University attended by Gene Kranz, Nasa Flight Director for Apollo $11(5,5)$
18 Jelly used to grow bacterial cultures (4)
20 Describing plants that like basic soil (8-6)

23 Approaches (5)
24 Small coffee cup (9)
25 Growing on waste ground (7)
26 Hypothetical particle which travels faster than light (7)

## Down

1 See 19 Down (4)
2 Canadian optical physicist and co-recipient of the 2018 Nobel prize in physics $(5,10)$

3 _-_-_- Variations, an orchestral work by an English composer who was also a chemist (6)
4 Mexican husk tomato (9)
5 Deadly (5)
6 Metamorphic rock containing garnet (8)

7 US radiochemist and codiscoverer of five elements $(4,11)$

8 Earth's atmosphere between the stratosphere and the thermosphere (10)
12 Cable avoidance tool $(3,7)$
15 Seabird of the auk family (9)
16 User (8)
19, 1 Down $\mathrm{CH}_{3} \mathrm{C}_{6} \mathrm{H}_{3}(\mathrm{COOH})_{2}(6,4)$
21 Describing points of branching or intersection (5)

22 Noble gas (4)

## Quick quiz:

1 Which toxic element's symbol is a clue to its former use?
2 'Phossy jaw' was an agonising and disfiguring disease caused by exposure to phosphorus during the making of what?

3 Chronic mercury poisoning was attributed to which forensic procedure carried out by Lancashire County Constabulary in the mid-20th century?

4 Radium Girls is a 2018 movie about the occupational exposure to radium while doing what?

5 A cryptic crossword-type clue: 'He used to prevent the bends' (6)
un! |ə G s se!
 :suo!̣njos

## June 2024 coronene puzzle

This puzzle is based on coronene. Using the elemental symbols (and not switching the 2 letters of any 2 -letter elemental symbols), place each of the seven elemental symbols in the hexagons to spell out three words reading diagonally (plurals allowed). In each of the four puzzles there will be a shared element in the middle hexagon which when combined and reading across will spell out the name of a compound.

## Elements:

A. Ba, Co, N, Rn, Nd, S, Se
B. Ar, $\mathrm{Ca}, \mathrm{Ne}, \mathrm{P}, \mathrm{Re}, \mathrm{Rf}, \mathrm{S}$
A

B


## 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 2024. The winners of this month's puzzles will be published in the July 2024 issue, along with the solutions.
Email: chemistryworld@rsc.org

Name $\qquad$

Address $\qquad$

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).

For example:

C. I, N, No, P, Pa, Se, Sn


## Answers:

Atlas
Flare
Palace
D. $\mathrm{Ge}, \mathrm{Li}, \mathrm{N}, \mathrm{Ne}, \mathrm{Re}, \mathrm{S}, \mathrm{W}$


May 2024 solutions and winners


## Wordoku

The streets drugs currently causing concern are NITAZENES.

## Coronene puzzle

A. Fever, Lives, Oval
B. Coals, False, Scaly
C. Acids, Price, Ruin
D. Coney, Lines, Paneer

The compound running across was valine.

## May winners

Coronene
Nicola Kelly
Abingdon, UK
Wordoku
Martin Carroll
Stanford-le-Hope, UK
Cryptic crossword
A Hard
Macclesfield, UK
Quick crossword
Jim Jamieson
Marlow, UK

