September 2021 wordoku

| E |  |  | V | M |  | L |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | O |  |  | R |
|  | R |  | L |  |  | O | S |  |
| L |  | N |  |  | I |  | M |  |
|  |  |  |  |  |  |  |  |  |
|  | S |  | M |  |  | N |  | L |
|  | E | R |  |  | L |  | N |  |
| O |  |  | N |  |  |  |  |  |
|  |  | L |  | I | M |  |  | S |

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 pigment that was possibly one of the first compounds to be made synthetically.

| $E$ |
| :---: |
| $I$ |
| $L$ |
| $M$ |
| $N$ |
| $O$ |
| $R$ |
| $S$ |
| $V$ |

September 2021 crossword


## September 2021 science scramble

Similar to a word ladder, each answer provides letters that must appear -
including duplicates - 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 | Mother (2) |
|  | Thrust (3) |
|  | Unit of mass (4) |

## Simpson's character (5)

IT professional (10)

Theoretical physicist and
Nobel prize winner ( $5,8,5$ )
1 sail
2 snail
3 saline
4 minerals

Mother (2)

Thrust (3)

Unit of mass (4)
Simpson's character (5)

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).

## Cryptic <br> Across

1 Geneticist advised Ray make changes right away $(4,3,6)$
9 Hoody plays a rap around King's Head (5)
10 Task actor to play something found on the breakfast table $(5,4)$
11 Again take in a robber's fancy (8)
12 English poet boring burrow (6)
14 Moan about outline lacking feeling (11)
16 Steal from the Girobank (3)
18 Pixie fallen oddly on return (3)
19 Nice area turned bad but arranged alphabetically! (11)
20 Complaint about prosody lacking one primary orator (6)
21 A fraud in treatment not scared (8)
24 A tale about Guam reveals another place (9)
25 Country urchin appreciates but not all of it (5)
26 Hunches about otter's tree $(5,8)$

## Down

1 Trade around Peru for flight out (9)
2 Old salt found in sackcloth $(7,2,6)$
3, 22 Down Physicist endlessly fussy about top University's chalk $(5,5)$
4 Testy tribe turns to minerals (10)
5 A fish jelly? (4)
6 Engineer at airline amongst others $(5,4)$
7 A dad transitions to regularity (15)
8 Without Charlie, Nick's returned to surface (4)
13 On arrangement unearth den below (10)
15 Are molars rearranged by mouth swab? $(4,5)$
17 Payment for riverside sketch? $(4,5)$
20 Appreciates the accommodation (4)
22 See 3 Down
23 Vulgar bottom! (4)

## Quick

Across
1 Organic compound with the general formula $\mathrm{RSO}_{3} \mathrm{H}$ (non-lupac spelling) $(9,4)$
9 Culture ___ , nutritive substances that might be found in a petri dish (5)
10 Mars $(3,6)$
11 Discharge (8)
12 _-_-_cyclotron (6)
14 Scottish botanist eponymised in a particular type of motion $(6,5)$
16 Pollinator (3)
18 Unit of heat (abbreviation) (3)
19 Electrode made by US inventor Lee De Forest who in 1906 used it to create the first amplifying vacuum tube $(7,4)$
20 Biological catalyst (6)
21 External parasite (8)
24 Rock samphire $(3,6)$
25 Style (5)
26 Aerobic bacterial transformation of ammonia to nitrate (13)

## Down

1 Balanced (9)
2 Austrian scientist after whom an SI defining constant is named $(6,9)$
3 Cures (5)
4 Of limited radio frequency (10)
5 Cipher (4)
6 Quinone $\mathrm{C}_{6} \mathrm{Cl}_{4} \mathrm{O}_{2}$ (9)
7 Swiss mathematician and physicist known for their principle about fluid flow that underpins aeronautics $(6,9)$
8 Ignore a marked alteration (4)
13 Italian inventor of the barometer (10)
15 Prostrate (9)
17 English physicist, mathematician and astronomer who anticipated stellar nuclear fusion (9)
20 Alleviate (4)
22 Greek letter often associated with fatty acids (5)
23 Against (4)

## August 2021 solutions and winners



## Wordoku

The chemical element was BERYLLIUM

Science scramble
1 End
2 Tend
3 Trend
4 Intrude
5 Interlude
6 Gertrude Elion

## August winners

Science scramble
Liz Canty
Deeside, UK

## Wordoku

G D Hosken
Maidstone, UK
Cryptic crossword
Paul Baker
Stevenage, UK
Quick crossword
Peter Jones
Sandwich, UK
 -әұsем Кıплдәи sе Кеме п! би!



On the spot
łods әчъ иО оұ ләмsū


