## March 2019 wordoku

|  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | T |  | S | N | L |  | E |  |
|  |  | L | C |  | U | N |  |  |
|  |  |  |  |  |  |  |  |  |
| Y |  |  |  | E |  |  |  | C |
| A |  |  | T | C | S |  |  | E |
|  |  |  | E |  | A |  |  |  |
| U |  |  |  |  |  |  |  | S |
|  | Y | N |  |  |  | L | C |  |


| $A$ |
| :---: |
| $C$ |
| $E$ |
| $L$ |
| $N$ |
| $S$ |
| $T$ |
| $U$ |
| $Y$ |

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 into the name of a gas present in Titan's atmosphere.

## March 2019 word grid

| $B$ | $O$ | $A t$ |
| :---: | :---: | :---: |
| $S C$ | $O$ | $F$ |
| $N$ | $\square$ |  |

Prize entry: Using each element symbol in the grid only once, combine them together to make a single word of 11 letters.

Word..............................................
Just for fun: Construct as many other words as you can using a minimum of three symbols, and each symbol only once.
6 words: OK
9 words: Good
12+ words: Excellent

## Entry form

There are four prize puzzles on this page: crossword (cryptic answers only); wordoku; science scramble; and word grid. For each puzzle, a winner will be selected from all the correct entries received and awarded a $£ 25$ 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 either post or email this page with your completed entries to us by 20 March 2019. The winners of this month's puzzles will be published in the April 2019 issue, along with the solutions

Chemistry World puzzles, Royal Society of Chemistry,
Thomas Graham House, Science Park, Milton Road,
Cambridge, CB4 OWF, UK
Email: chemistryworld@rsc.org
Name
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)

## March 2019 crossword



## March 2019 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

1

## 2

3

## 4

## 5

Cure (3)

Alloy of iron and other elements (5)

Snuggle (6)

Components of the periodic table (8)

Co-discoverer of nuclear fission $(4,7)$

## Cryptic (prize entry)

Across
1 To begin with, angry children in detention can be vitriolic (4)
4 Rapid weeds broadcast everywhere! (10)

9 Tribe scattered around initially unguarded compound (6)
10 Extreme neutron treatment of goitre producing gas (8)
11 Arranged cruise around what lies beneath (14)
12 The posh spa distributed salts (10)
14 Skirt outer Timbuktu after odd tour (4)
16 Sell bird (4)
18 Rips metals apart behind the propellers? (10)
20 Detective developed more shell shock $(8,6)$
23 Prepared crablate had bugs! (8)
24 Amazingly astute figure? Not really! (6) 25 Modified dynamic sea salts (10)
26 Colours and expires reportedly (4)

## Quick (just for fun)

Across
1, 4 Down Highest mountain in the Alps $(4,5)$
4 Facial blemish $(6,4)$
9, 7 Down Biochemist (1912-1998), the first Indian woman to receive a PhD in a scientific discipline $(6,7)$
10 A plant that grows on another plant (8)
11 One way of extracting coal $(8,6)$
12 Personal information that could embarrass if publicised $(5,5)$
14 Engrave with acid (4)
16 Employs (4)
18 First woman to have flown in space (10)
20 Class of drugs used to treat seizures (14)
23 Insecticide which traditionally used naphthalene (8)
24 Original, fundamental (6)
25 Male pen name of a French female novelist $(6,4)$
26 Direction (4)

## Down

2 Musical compositions for choirs, soloists and orchestras (9)
3 Transmit, throw (7)
4 See 1 Across
5 Italian scientist with a unit for electric potential named after him $(10,5)$
6 Decorations (9)
7 See 9 Across
8 Many times (5)
13 Lithium compound used as a ceramic glaze and as a medication (9)
15 Small nocturnal mammals with feline appearance, known for their musky scents $(5,4)$
17 Move like a snake (7)
19 Aluminosilicate mineral, typically blue (7)

21 Greek mythological character after whom the element previously known as columbium was named (5)
22 Fat (5)

February 2019 solutions and winners


Quick (just for fun)

## Wordoku

The name of the French chemist was Marc TIFFENEAU

## Word grid

The nine-symbol word was INCONSISTENCY

Science scramble
1 Rag
2 Gran
3 Argon
4 Androgens
5 Anders Angstrom

## February winners

Science scramble
Vanessa Gänsicke Leamington Spa, UK

## Wordoku

Merle Arrowsmith Würzburg, Germany
Word grid
C Cresswell
Crail, UK
Crossword
R Milner
Selby, UK





łods әчł иО оł дәмsuヲ

## On the spot



