

March 2020 wordoku

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | W | | | | N | | | | A |
| | | | S | | | | | | O | D |
| O | | | | D | I | | M | | | I |
| | | | T | | | O | | N | | M |
| D | | A | | | | T | | W | | N |
| W | | O | | | D | | | | | O |
| | S | | O | W | | | | | M | S |
| N | | | | | A | | | | | T |
| | | T | | | | D | | | | W |

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 surname of a British nutritional chemist.

March 2020 crossword

| | | | | | | | | | |
|----|----|---|---|----|---|----|---|--|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| | | | | | | | | | |
| 9 | | | | | | 10 | | | |
| | | | | | | | | | |
| | 11 | | | | | 12 | | | |
| | | | | | | | | | |
| 13 | | | | 14 | | | | | 15 |
| | | | | | | | | | |
| 16 | 17 | | | | | 18 | | | 19 |
| | | | | | | | | | |
| 20 | | | | | | | | | |
| | | | | | | | | | |
| 21 | | | | 22 | | | | | |
| | | | | | | | | | |
| 23 | | | | | | 24 | | | |

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, or alternative of equivalent value for non-UK residents.

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 2020**. The winners of this month's puzzles will be published in the April 2020 issue, along with the solutions.

Chemistry World puzzles, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WF, UK
Email: 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).

March 2020 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 Type of sleep (3)

2 Birthplace of 5 (4)

3 Town in Somerset, England (5)

4 Subatomic particle named after 5 (7)

5 Creator of the world's first nuclear reactor (6, 5)

Cryptic

- Across**
- Poetic card I fashioned following first birthday (6)
 - Shall oddly modify magma mixtures (8)
 - Papers kind about abductors (10)
 - Laura left out of character (4)
 - Special scooter turns in 3D (14)
 - Rabble ordered fish (6)
 - Unnecessary sharps before initial surgery (8)
 - Trooper upsets a machinist (8)
 - Doctor arranges posy for old condition (6)
 - Invalid ovation composed by man for all seasons? (7, 7)
 - Battery room (4)
 - Learn about silly glue? (5, 5)
 - Country hotel I prepare opiate in? (8)
 - Qualified before by the sound of it (6)

Down

- Perhaps initially I said about a surprising lack of thirst (7)
- Swiss physicist and mathematician led liberal union astray (6, 9)
- Place I let Pete oddly order pasta? (11)
- Italian inventor raved about last saloon (10, 5)
- Fool some passengers (3)
- After conversion, Algeria's old club rocks! (7, 8)
- A right storm around the artillery (7)
- Maybe Eve loved pro to process too much? (11)
- Odd Briton has short memoir (3)
- Foxy not even silly (3)
- Piquant play on words fellow followed (7)
- Compound site recycling bin (7)
- Snake around endless pass (3)

Quick

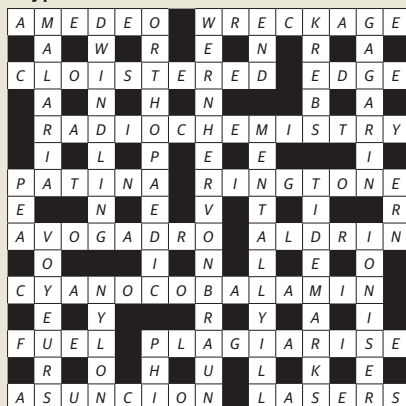
- Across**
- 16 Across English chemist (1866-1956), known for championing women's equality in science (6, 8)
 - Species of tuna (8)
 - Prone (10)
 - Skin condition that commonly occurs in adolescence (4)
 - Medical research studies involving people (8, 6)
 - US poet, critic, translator and etymologist (1916-1986) (6)
 - Chemical substances used in analysis or synthesis (8)
 - See 1 Across (8)
 - Natural product red/orange powder, formula $C_8H_5NO_2$ (6)
 - Benefactor (14)
 - A source of 22 Down (4)
 - Initiator (10)
 - Instruments for measuring current (8)
 - Fake (6)

Down

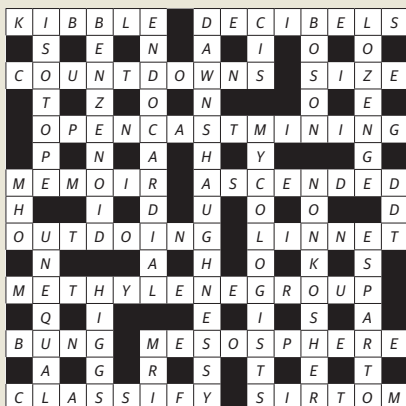
- Rodent of the Amazon basin (7)
- Explosive (15)
- Penicillin antibiotic (11)
- Cardiac drugs used to suppress fibrillation, flutter and tachycardia (15)
- Measure of volume used for oil production (abbrev.) equivalent to 42 US Gallons (3)
- Chemical species that were among the first to be detected in the interstellar medium (7, 8)
- Brown butterfly with wings bearing eyespots (7)
- Medication that led to many birth defects in the 1950s and 1960s (11)
- Female whale (3)
- Our star (3)
- Previously proposed name for element 105 (7)
- Psalm or antiphon sung before mass (7)
- Source of minerals and metals (3)

February 2020 solutions and winners

Cryptic crossword



Quick crossword



Wordoku

The name of the regulatory protein was UBIQUITIN

Science scramble

- As
- Ass
- Bass
- Brass
- Laura Bassi

February winners

Science scramble
Reginald Darge
Usk, UK

Wordoku
N Hooper
Penzance, UK

Cryptic crossword
K D Perring
Ashworth, UK

Quick crossword
Alan Tucker
Bristol, UK

Such a large bottle of bromine should not have been in use when just 5ml was needed. COSHH principles require using only an appropriate amount for any activity - in this case, the technician should have first decanted some bromine into a more suitably sized flask, before attempting to measure out 5ml. In this situation, the technician should remove the glove as soon as possible and run the affected hand under cold water for at least 10 minutes. During this time a colleague should call 999 and follow the advice they are given. Following Toxbase guidance, no neutralising agents should be applied to this or any other chemical spill on the skin. Scenario and solution provided by CLEARSS.

On the spot

