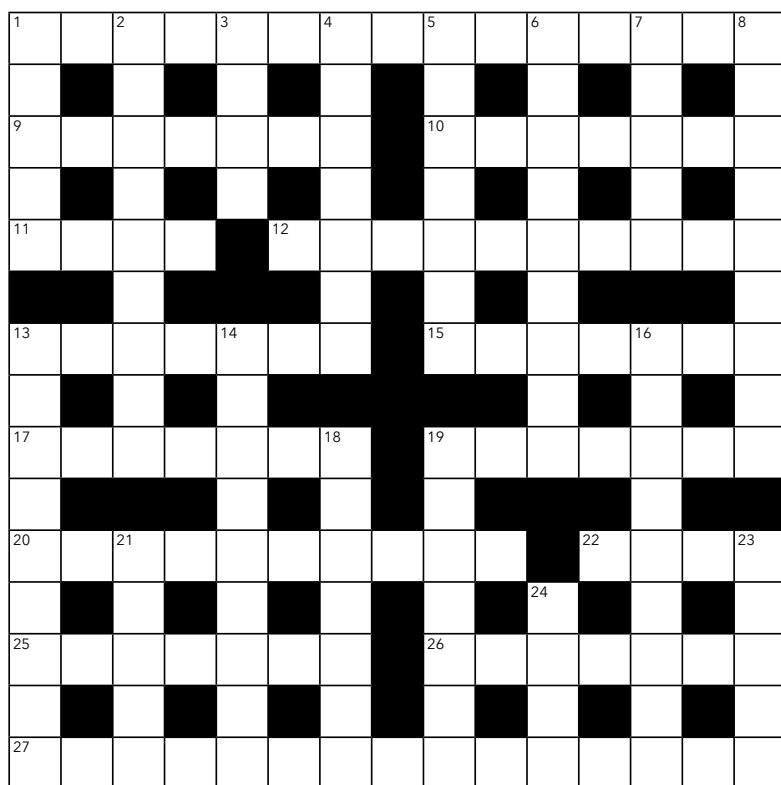
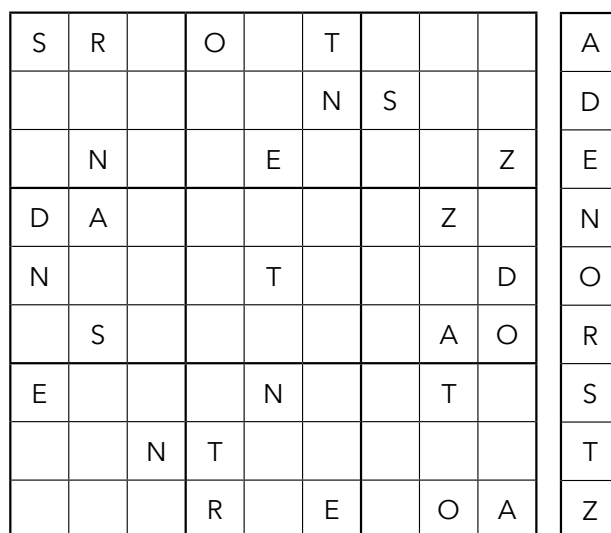


## February 2023 crossword



## February 2023 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 the name of a drug used to treat anxiety and depression.

### Cryptic

#### Across

- Odd how initially Generation Y creates this sort of reaction (15)
- India abandoned rash view about docks (7)
- United Nations dodge overturned offence (7)
- Dire changes for philosopher (4)
- Love timetable altering biological compound (10)
- Drugs found in chop I ate somehow (7)
- Letters about carpets showing a variety of colours? (7)
- Stress estimates including locks (7)
- Nectars that can produce hypnotic states (7)
- Toss rhombi around for clot (10)
- Mineral found in coastal county (4)
- Set on fire editing revision? (7)
- Without Charlie, turning rubicund in the country (7)
- Hope weakest link ordered chemist (9, 6)

#### Down

- Scientist hiding in the wide warehouse (5)
- I apply adhesive to layer (9)
- Day five included a Cornish chemist (4)
- Story about extremely scarce shellfish (7)
- A sender abroad attracts attention (7)
- Galaxy drama done differently (9)
- Some nice Nicaraguan tribe? No, British! (5)
- Certain elements transmuted on mantles (9)
- Overtakes purists to convert (9)
- Analyse the competition? It's just a game! (4, 5)
- Lacking in love, chant about novel station (2, 7)
- No downs around the mountain (7)
- Belt him about with a small cap (7)
- Extent of anger perhaps? (5)
- DNA scientist who could be a pain in the neck? (5)
- Boast about the bird (4)

### Quick

#### Across

- 1, 14 Down French chemist who married the physicist Benjamin Thompson following the execution of her first husband (also a chemist) (5-4, 6, 9)
- NO<sub>3</sub><sup>-</sup> (7)
- Hermaphroditic (7)
- Let fall (4)
- Exhibiting different colours when observed at different angles (10)
- Grinding implements normally used with mortars (7)
- Makes longer (7)
- Freeze (3, 4)
- 19, 1 Down French biochemist who studied the genetic control of enzyme and virus synthesis (7, 5)
- Syllabus (10)
- \_\_\_ staining, a method of bacterial differentiation named after a Danish bacteriologist (4)
- Effected with tremor (7)
- Alloy of nickel and titanium (7)
- Studiers of humans past and present (15)

#### Down

- See 19 Across
- Turned up (9)
- Divisions of geologic eons (4)
- Crystalline forms found in acicular minerals (7)
- Blot on the landscape (7)
- Not aromatic (9)
- The L in L-mannose (5)
- Workouts (9)
- Newton's three-volume work describing his laws of motion and of gravitation (9)
- See 1 Across
- Subatomic particles that are the subject of John Updike's poem *Cosmic Gall* (9)
- Gather (5, 2)
- Scholarly publication (7)
- Ignited again (5)
- Units of amounts of substance employing Avogadro's number (5)
- \_\_\_ beetle, the largest terrestrial insect in Europe (4)

## February 2023 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  Radioactive element found in smoke detectors (symbol) (2)

2  Goal (3)

3  South American capital (4)

4  Creature (6)

5  Thin layers (7)

6  Biochemist and first Indian woman to gain a PhD in a science subject (6, 7)

### Quick quiz:

- Which Russian classical composer was also an organic chemist?
- Which alkali metal is the title of a song by Nirvana?
- Which transition metal is the title of a song by French DJ David Guetta and Australian singer Sia?
- All about chemistry* is an album by which US rock band?
- John Otway wrote and performed a song about a piece of lab equipment. What was it?
- 'Love is like \_\_\_\_\_'  
Which element completes the title of the 1970s song by Sweet?

Solutions: 1. Alexander Borodin 2. Lithium 3. Titanium 4. Semisonic 5. Bunsen burner 6. Oxygen

## 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 **20 February 2023**. The winners of this month's puzzles will be published in the March issue, along with the solutions.

Email: [chemistryworld@rsc.org](mailto: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](http://www.chemistryworld.com/privacy)).

## February 2023 Word grid

Use the element symbols from the panel on the right to complete the word grid below.

	Rb	O		Te	Al	At
Rb		P			C	Ca
O	P		S		Er	I
		S			Li	Na
			Y	Se	Nd	Po

## January 2023 solutions and winners

### Cryptic

H	E	R	S	C	H	E	L	C	L	I	N	I	C
E	U	O	L	A	E	A							
L	U	D	D	I	T	E	S	G	R	O	C	E	R
I	O	N	C	A	V	R	O						
U	N	L	I	T	T	E	S	L	A	C	O	I	L
M	F	R	R	S	S	I							
I	C	A	N	G	L	S	E						
C	I	R	C	U	M	V	E	N	T	E	D		
E	Y	O	A	M	D	W							
C	A	S	S	O	U	L	E	T	B	R	I	N	E
R	T	R	T	I	R	E	L						
E	L	A	P	S	E	C	O	L	O	S	S	A	L
A	L	L	O	N	T	E	A						
M	E	S	O	N	S	A	S	P	H	A	L	T	S

### Quick

T	H	O	M	P	S	O	N	G	R	A	H	A	M
A	C	O	X	O	O	A							
B	E	T	A	R	A	Y	S	S	A	W	F	L	Y
L	A	C	A	A	L	F	B						
E	R	N	I	E	C	O	C	O	D	A	M	O	L
T	E	L	E	A	A	O							
S	A	N	T	O	D	O	M	I	N	G	O		
B	S	I	Y	E	O	N	M						
E	N	T	A	N	G	L	E	M	E	N	T		
N	E	E	Y	O	E	T							
J	A	N	E	F	O	N	D	A	B	E	N	C	H
A	O	E	E	W	L	R	O						
M	A	S	E	R	S	S	A	M	A	R	I	U	M
I	I	M	R	S	C	A							
N	E	S	B	I	T	E	D	I	T	I	O	N	S

### Wordoku

The Japanese chemist was  
Koji NAKANISHI

### Science scramble

- Sir
- Sire
- Rises
- Crises
- Necrosis
- Supersonic
- Nicolaus Copernicus

### January winners

Science scramble  
Jan Cashmore  
Bromsgrove, UK

Wordoku  
Diane Wilson  
Hull, UK

Cryptic crossword  
Alan Kingham  
Thirsk, UK

Quick crossword  
Paul Williams  
Cardiff, UK