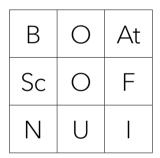
March 2019 wordoku

									А
	Т		S	N	L		Е		С
		L	С		U	Ν			Е
									L
Υ				Е				С	Ν
А			Т	С	S			Е	S
			Е		А				Т
U								S	U
	Υ	Ν				L	С		Υ

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



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

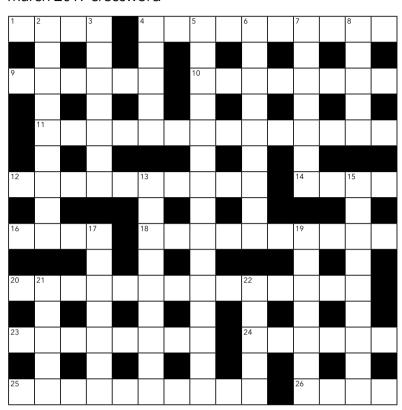
Mard

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

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

2

4

5

4 minerals

5 Neil Armstrong

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 0WF, UK

Email: chemistryworld@rsc.org

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).

		Cure (3

Alloy of iron and other elements (5)

3 Snuggle (6)

Components of the periodic table (8)

Co-discoverer of nuclear fission (4, 7)

Cryptic (prize entry)

Across

- To begin with, angry children in detention can be vitriolic (4)
- Rapid weeds broadcast everywhere! (10)
- 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
- 23 Prepared crab I ate had bugs! (8)
- 24 Amazingly astute figure? Not really! (6)
- 25 Modified dynamic sea salts (10)
- 26 Colours and expires reportedly (4)

Down

- 2 This little dog is in a state (9)
- 3 Speaks with contempt about red side
- 4 See 21 Down
- Drink scandal not about Nobel physicist (5, 10)
- 6 Artist is initially sorry about these mockers (9)
- 7 It upset actor to calm rebellion? (4, 3)
- 8 Ridge in bare terrain (5)
- 13 Tom transformed garish chart (9)
- 15 Change menu start to change! (9)
- 17 Tinker with a novel protein (7)
- 19 Some trim Baudelaire for another French poet (7)
- 21, 4 Down Hearty wave in something dense and wet (5, 5)
- 22 Onassis lost heartless son at watering

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)
- Transmit, throw (7)
- See 1 Across
- Italian scientist with a unit for electric 5 potential named after him (10, 5)
- Decorations (9)
- 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
- 21 Greek mythological character after whom the element previously known as columbium was named (5)
- 22 Fat (5)

February 2019 solutions and winners

Cryptic (prize entry) L I E B I G C O N D E N S E R $I \mid E \mid G \mid E \mid L$ 0 L I V I N o U O M N I P O T E N P R O C E S S MOIDORE O R A N G E S S | H | M | A | E | L | I | T | E U M A U R I A C $N \mid E \mid B \mid U \mid L \mid A \mid$ 1 R H R I S T I A N W E I

Quick (just for fun)

М	Α	R	G	U	Ε	R	1	Т	Ε	Р	Ε	R	Ε	Υ
Ε		Ε		R		0		Н		Α		Ε		Т
S	1	С	Κ	Ε	R	Т		Ε	Α	R	Н	Α	R	Т
0		Υ		Υ		Α		S		Т		С		Ε
N	Ε	С	Κ		S	Т	Ε	Ρ	S	1	S	Т	Ε	R
		L				Ε		1		С				В
G	R	1	L	L	Ε	S		S	Y	L	L	Α	В	1
0		Ν		1						Ε		L		U
L	1	G	Н	Т	U	Р		Н	Α	S	S	1	U	М
D				Н		1		Υ				Ε		
М	ı	С	R	0	S	С	0	Р	Ε		Α	N	N	Α
1		Α		С		Α		Α		Κ		Α		L
N	0	R	М	Α	N	S		Τ	Α	N	К	Т	0	Р
Ε		Ε		R		S		1		0		0		Н
S	Т	R	Ε	Р	Т	0	В	Α	С	Т	Ε	R	I	Α

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

Merle Arrowsmith Würzburg, Germany

Word grid C Cresswell

Crail, UK Crossword

R Milner Selby, UK

Charles Harrison is a safety adviser at a UK university

replacement with plastic ones is advisable.

mind the spill should be neutralised and adsorbed as quickly as possible. Metal acid cabinets have a very limited lifespan as the corrosive atmosphere eats away at them; regular checks or combinations of acids that can be very dangerous. Both nitric and acetic acid react violently with concentrated mineral acids, possibly creating a much more dangerous solution. With this in First, check that there is no reaction taking place producing heat or evolving gases. So long as the spill is contained it should be possible to deal with it safely - but be aware there are some

Answer to On the spot

