

Puzzle of the Week - 12/04/21 - 18/04/21

To get your brains firing on all cylinders, we're going to be publishing a weekly puzzle in the Hatton Buzz! Each puzzle is carefully crafted by Mr Hall, so if you have an answer, email him at [hallc@hattonacademy.org.uk](mailto:hallc@hattonacademy.org.uk)

Here's the puzzle for this week:

Using only the chemical symbols for elements on the periodic table, you must try to create a word. The word with the highest Scrabble score wins!

1 IA										2 IIA										13 IIIA										14 IVA										15 VA										16 VIA										17 VIIA										18 VIIIA																																																																																																													
1 H Hydrogen 1.008										2 He Helium 4.002602										3 B Boron 10.81										4 C Carbon 12.011										5 N Nitrogen 14.007										6 O Oxygen 15.999										7 F Fluorine 18.99840323										8 Ne Neon 20.1797																																																																																																													
3 Li Lithium 6.94										4 Be Beryllium 9.00947										9 Al Aluminium 26.9815385										10 Si Silicon 28.0855										11 P Phosphorus 30.973761998										12 S Sulfur 32.06										13 Cl Chlorine 35.45										14 Ar Argon 39.948																																																																																																													
11 Na Sodium 22.98976928										12 Mg Magnesium 24.305										15 Ga Gallium 69.723										16 Ge Germanium 72.630										17 As Arsenic 74.921595										18 Se Selenium 78.9718										19 Br Bromine 79.904										20 Kr Krypton 83.798																																																																																																													
19 K Potassium 39.0983										20 Ca Calcium 40.078										21 Sc Scandium 44.955912										22 Ti Titanium 47.88										23 V Vanadium 50.9415										24 Cr Chromium 51.9961										25 Mn Manganese 54.938044										26 Fe Iron 55.845										27 Co Cobalt 58.933194										28 Ni Nickel 58.6934										29 Cu Copper 63.546										30 Zn Zinc 65.38										31 Ga Gallium 69.723										32 Ge Germanium 72.630										33 As Arsenic 74.921595										34 Se Selenium 78.9718										35 Br Bromine 79.904										36 Kr Krypton 83.798									
37 Rb Rubidium 85.4678										38 Sr Strontium 87.62										39 Y Yttrium 88.90584										40 Zr Zirconium 91.224										41 Nb Niobium 92.90637										42 Mo Molybdenum 95.95										43 Tc Technetium 98										44 Ru Ruthenium 101.07										45 Rh Rhodium 102.90550										46 Pd Palladium 106.42										47 Ag Silver 107.8682										48 Cd Cadmium 112.414										49 In Indium 114.818										50 Sn Tin 118.710										51 Sb Antimony 121.757										52 Te Tellurium 127.6										53 I Iodine 126.90447										54 Xe Xenon 131.293									
55 Cs Caesium 132.90545196										56 Ba Barium 137.327										57-71 Lanthanoids										72 Hf Hafnium 178.49										73 Ta Tantalum 180.94788										74 W Tungsten 183.84										75 Re Rhenium 186.207										76 Os Osmium 190.23										77 Ir Iridium 192.222										78 Pt Platinum 195.084										79 Au Gold 196.966569										80 Hg Mercury 200.59										81 Tl Thallium 204.38										82 Pb Lead 207.2										83 Bi Bismuth 208.98040										84 Po Polonium [209]										85 At Astatine [210]										86 Rn Radon [222]									
87 Fr Francium [223]										88 Ra Radium [226]										89-103 Actinoids										104 Rf Rutherfordium [261]										105 Db Dubnium [262]										106 Sg Seaborgium [266]										107 Bh Bohrium [264]										108 Hs Hassium [277]										109 Mt Meitnerium [268]										110 Ds Darmstadtium [281]										111 Rg Roentgenium [282]										112 Cn Copernicium [285]										113 Nh Nihonium [286]										114 Fl Flerovium [289]										115 Mc Moscovium [289]										116 Lv Livermorium [293]										117 Ts Tennessine [294]										118 Og Oganesson [294]									

57 La Lanthanum 138.90547										58 Ce Cerium 140.12										59 Pr Praseodymium 140.90766										60 Nd Neodymium 144.242										61 Pm Promethium [145]										62 Sm Samarium 150.36										63 Eu Europium 151.964										64 Gd Gadolinium 157.25										65 Tb Terbium 158.90535										66 Dy Dysprosium 162.50										67 Ho Holmium 164.93033										68 Er Erbium 167.259										69 Tm Thulium 168.93422										70 Yb Ytterbium 173.045										71 Lu Lutetium 174.967									
89 Ac Actinium [227]										90 Th Thorium 232.0377										91 Pa Protactinium 231.03688										92 U Uranium 238.02891										93 Np Neptunium [237]										94 Pu Plutonium [244]										95 Am Americium [243]										96 Cm Curium [247]										97 Bk Berkelium [247]										98 Cf Californium [251]										99 Es Einsteinium [252]										100 Fm Fermium [257]										101 Md Mendelevium [258]										102 No Nobelium [259]										103 Lr Lawrencium [260]									

A <sub>1</sub>				B <sub>3</sub>			C <sub>3</sub>			D <sub>2</sub>		
E <sub>1</sub>		F <sub>4</sub>		G <sub>2</sub>		H <sub>4</sub>		I <sub>1</sub>		J <sub>8</sub>		
K <sub>5</sub>		L <sub>1</sub>		M <sub>3</sub>		N <sub>1</sub>		O <sub>1</sub>		P <sub>3</sub>		
Q <sub>10</sub>		R <sub>1</sub>		S <sub>1</sub>		T <sub>1</sub>		U <sub>1</sub>		V <sub>4</sub>		
W <sub>4</sub>		X <sub>8</sub>		Y <sub>4</sub>		Z <sub>10</sub>						