



**GCSE**

**CHEMISTRY**

**The Periodic Table of Elements**

**Insert**

**Insert for:**

**GCSE Chemistry (8462)**

**GCSE Combined Science: Trilogy (8464)**

**GCSE Combined Science: Synergy (8465)**

**[Turn over]**

## The Periodic Table of the Elements

1 2

## Key

relative atomic mass  
 atomic symbol  
 atomic (proton) number

1
H
1

7 Li 3	9 Be 4							
23 Na 11	24 Mg 12							
39 K 19	40 Ca 20	45 Sc 21	48 Ti 22	51 V 23	52 Cr 24	55 Mn 25	56 Fe 26	59 Co 27
85 Rb 37	88 Sr 38	89 Y 39	91 Zr 40	93 Nb 41	96 Mo 42	[97] Tc 43	101 Ru 44	103 Rh 45
133 Cs 55	137 Ba 56	139 La * 57	178 Hf 72	181 Ta 73	184 W 74	186 Re 75	190 Os 76	192 Ir 77
[223] Fr 87	[226] Ra 88	[227] Ac * 89	[267] Rf 104	[270] Db 105	[269] Sg 106	[270] Bh 107	[270] Hs 108	[278] Mt 109

\* The Lanthanides (atomic numbers 58–71) and the Actinides (atomic numbers 90–103) have been omitted.

3      4      5      6      7      0

								4 He 2
			11 B 5	12 C 6	14 N 7	16 O 8	19 F 9	20 Ne 10
			27 Al 13	28 Si 14	31 P 15	32 S 16	35.5 Cl 17	40 Ar 18
59 Ni 28	63.5 Cu 29	65 Zn 30	70 Ga 31	73 Ge 32	75 As 33	79 Se 34	80 Br 35	84 Kr 36
106 Pd 46	108 Ag 47	112 Cd 48	115 In 49	119 Sn 50	122 Sb 51	128 Te 52	127 I 53	131 Xe 54
195 Pt 78	197 Au 79	201 Hg 80	204 Tl 81	207 Pb 82	209 Bi 83	[209] Po 84	[210] At 85	[222] Rn 86
[281] Ds 110	[281] Rg 111	[285] Cn 112	[286] Nh 113	[289] Fl 114	[289] Mc 115	[293] Lv 116	[293] Ts 117	[294] Og 118

Relative atomic masses for Cu and Cl have not been rounded to the nearest whole number

[Turn over for KEY showing list of elements]

1	H	Hydrogen	31	Ga	Gallium
2	He	Helium	32	Ge	Germanium
3	Li	Lithium	33	As	Arsenic
4	Be	Beryllium	34	Se	Selenium
5	B	Boron	35	Br	Bromine
6	C	Carbon	36	Kr	Krypton
7	N	Nitrogen	37	Rb	Rubidium
8	O	Oxygen	38	Sr	Strontium
9	F	Fluorine	39	Y	Yttrium
10	Ne	Neon	40	Zr	Zirconium
11	Na	Sodium	41	Nb	Niobium
12	Mg	Magnesium	42	Mo	Molybdenum
13	Al	Aluminium	43	Tc	Technetium
14	Si	Silicon	44	Ru	Ruthenium
15	P	Phosphorus	45	Rh	Rhodium
16	S	Sulfur	46	Pd	Palladium
17	Cl	Chlorine	47	Ag	Silver
18	Ar	Argon	48	Cd	Cadmium
19	K	Potassium	49	In	Indium
20	Ca	Calcium	50	Sn	Tin
21	Sc	Scandium	51	Sb	Antimony
22	Ti	Titanium	52	Te	Tellurium
23	V	Vanadium	53	I	Iodine
24	Cr	Chromium	54	Xe	Xenon
25	Mn	Manganese	55	Cs	Caesium
26	Fe	Iron	56	Ba	Barium
27	Co	Cobalt	57	La	Lanthanum
28	Ni	Nickel	72	Hf	Hafnium
29	Cu	Copper	73	Ta	Tantalum
30	Zn	Zinc	74	W	Tungsten

75	Re	Rhenium
76	Os	Osmium
77	Ir	Iridium
78	Pt	Platinum
79	Au	Gold
80	Hg	Mercury
81	Tl	Thallium
82	Pb	Lead
83	Bi	Bismuth
84	Po	Polonium
85	At	Astatine
86	Rn	Radon
87	Fr	Francium
88	Ra	Radium
89	Ac	Actinium
104	Rf	Rutherfordium
105	Db	Dubnium
106	Sg	Seaborgium
107	Bh	Bohrium
108	Hs	Hassium
109	Mt	Meitnerium
110	Ds	Darmstadtium
111	Rg	Roentgenium
112	Cn	Copernicium
113	Nh	Nihonium
114	Fl	Flerovium
115	Mc	Moscovium
116	Lv	Livermorium
117	Ts	Tennessine
118	Og	Oganesson

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**IB/M/Jun19/CH/8462/8464/8465/INS/E1**