

Periodic Table of Elements

Groups																		3	4	5	6	7	0																
		1	2																	1	2	3	4	5	6	7													
Periods	1																			1 H hydrogen 1																		4 He helium 2	
	2	7 Li lithium 3		9 Be beryllium 4																		11 B boron 5		12 C carbon 6		14 N nitrogen 7		16 O oxygen 8		19 F fluorine 9		20 Ne neon 10							
	3	23 Na sodium 11		24 Mg magnesium 12																		27 Al aluminium 13		28 Si silicon 14		31 P phosphorus 15		32 S sulphur 16		35.5 Cl chlorine 17		40 Ar argon 18							
	4	39 K potassium 19		40 Ca calcium 20		45 Sc scandium 21		48 Ti titanium 22		51 V vanadium 23		52 Cr chromium 24		55 Mn manganese 25		56 Fe iron 26		59 Co cobalt 27		59 Ni nickel 28		63.5 Cu copper 29		65 Zn zinc 30		70 Ga gallium 31		73 Ge germanium 32		75 As arsenic 33		79 Se selenium 34		80 Br bromine 35		84 Kr krypton 36			
	5	85 Rb rubidium 37		88 Sr strontium 38		89 Y yttrium 39		91 Zr zirconium 40		93 Nb niobium 41		96 Mo molybdenum 42		[98] Tc technetium 43		101 Ru ruthenium 44		103 Rh rhodium 45		106 Pd palladium 46		108 Ag silver 47		112 Cd cadmium 48		115 In indium 49		119 Sn tin 50		122 Sb antimony 51		128 Te tellurium 52		127 I iodine 53		131 Xe xenon 54			
	6	133 Cs caesium 55		137 Ba barium 56		139 La* lanthanum 57		178 Hf hafnium 72		181 Ta tantalum 73		184 W tungsten 74		186 Re rhenium 75		190 Os osmium 76		192 Ir iridium 77		195 Pt platinum 78		197 Au gold 79		201 Hg mercury 80		204 Tl thallium 81		207 Pb lead 82		209 Bi bismuth 83		[209] Po polonium 84		[210] At astatine 85		[222] Rn radon 86			
	7	[223] Fr francium 87		[226] Ra radium 88		[227] Ac* actinium 89		[261] Rf rutherfordium 104		[266] Sg seaborgium 106		[262] Db dubnium 105		[264] Bh bohrium 107		[277] Hs hassium 108		[268] Mt meitnerium 109		[271] Ds darmstadtium 110		[272] Rg roentgenium 111		[286] Cn copernicium 112		[286] Nh nihonium 113		[289] Fl flerovium 114		[289] Mc moscovium 115		[293] Lv livermorium 116		[294] Ts tennessine 117		[294] Og oganeson 118			