

1 H hydrogen 1																	2 He helium 4
3 Li lithium 7	Be beryllium											5 B boron	6 C carbon 12	7 N nitrogen 14	8 O oxygen 16	9 fluorine 19	Ne neon 20
Na sodium 23	Mg magnesium 24											13  Al aluminium 27	Si silicon 28	P phosphorus	S sulphur 32	17 Cl chlorine 35.5	Ar argon 40
19 K potassium 39	Ca calcium	SC scandium 45	22 Ti titanium 48	23 V vanadium 51	Cr chromium 52	Mn manganese 55	Fe iron 55.8	Co cobalt 59	28 Ni nickel 58.7	Cu copper 63.5	30 <b>Zn</b> zinc 65.4	Ga gallium 69.7	Ge germanium 72.6	AS arsenic 75	Se selenium 79	Br bromine 80	36 Kr krypton 83.8
Rb rubidium 85.5	Sr strontium 87.6	39 Y yttrium 89	Zr zirconium 91.2	Nb niobium 93	Mo molybdenum 96	TC technetium 98	RU ruthenium	Rh rhodium 103	Pd palladium 106.4	47 <b>Ag</b> silver 107.9	Cd cadmium	49 <b>In</b> indium 114.8	50 <b>Sn</b> tin 118.7	51 Sb antimony 121.8	Te tellurium 127.6	53 iodine 127	54 <b>Xe</b> xenon 131.3
CS caesium	56  Ba barium 137.3	57  La lanthanum 138.9	72 <b>Hf</b> hafnium 178.5	73 <b>Ta</b> tantalum 181	74 W tungsten 183.8	75 Re rhenium 186.2	76 OS osmium 190.2	77 <b>  r</b> iridium 192.2	78 Pt platinum 195	79 <b>Au</b> gold 197	Hg mercury 200.6	81 T thallium 204.4	82 Pb lead 207.2	Bi bismuth 209	Po polonium 209	At astatine 210	Rn radon 222
87 Fr francium 223	Ra radium 226	AC actinium 227	Rf rutherfordium 261	Db dubnium 262	Sg seaborgium 269	Bh bohrium 264	HS hassium 269	109 Mt meitnerium 278	DS darmstadtium 281	Rg roentgenium 282	Cn copernicium 285	Nh nihonium 286	114 Fl flerovium 289	MC moscovium 289	livermorium 293	TS tennessine 294	Og oganesson 294
		58 <b>Ce</b> cerium	59 <b>Pr</b> praseodymium	60 Nd neodymium	61 Pm promethium	62 <b>Sm</b> samarium	63 <b>EU</b> europium	64 Gd gadolinium	65 <b>Tb</b> terbium	66  Dy  dysprosium	67 <b>Ho</b> holmium	68 <b>Er</b> erbium	69 Tm thulium	70 <b>Yb</b> ytterbium	71 <b>LU</b> Jutetium		
		90 <b>Th</b> thorium 232	91 Pa protactinium 231	92 <b>U</b> uranium 238	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	167.3 100 <b>Fm</b> fermium 257	169  101  Md mendelevium 258	173 102 No nobelium 259	175 103 Lr lawrencium 262		

