

# The Periodic Table of Elements

1	2	3	4	5	6	7	0 (8)
1.0 H hydrogen 1							
Key							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
(17)	(18)						
6.9 Li lithium 3	9.0 Be beryllium 4	23.0 Na sodium 11	24.3 Mg magnesium 12	39.1 K potassium 19	40.1 Ca calcium 20	85.5 Rb rubidium 37	132.9 Cs caesium 55
23.0 Na sodium 11	24.3 Mg magnesium 12	45.0 Sc scandium 21	47.9 Ti titanium 22	50.9 V vanadium 23	52.0 Cr chromium 24	54.9 Mn manganese 25	55.8 Fe iron 26
39.1 K potassium 19	40.1 Ca calcium 20	88.9 Y yttrium 39	91.2 Zr zirconium 40	92.9 Nb niobium 41	95.9 Mo molybdenum 42	[98] Tc technetium 43	101.1 Ru ruthenium 44
85.5 Rb rubidium 37	87.6 Sr strontium 38	138.9 La* lanthanum 57	178.5 Hf hafnium 72	180.9 Ta tantalum 73	183.8 W tungsten 74	186.2 Re rhenium 75	190.2 Os osmium 76
132.9 Cs caesium 55	137.3 Ba barium 56	[227] Ac* actinium 89	[261] Rf rutherfordium 104	[262] Db dubnium 105	[266] Sg seaborgium 106	[264] Bh bohrium 107	[277] Hs hassium 108
[223] Fr francium 87	[226] Ra radium 88						
Elements with atomic numbers 112-116 have been reported but not fully authenticated							
204.4 Tl thallium 81	207.2 Pb lead 82	209.0 Bi bismuth 83	209.0 Po polonium 84	210 At astatine 85	210 At astatine 85	210 At astatine 85	210 At astatine 85
10.8 B boron 5	12.0 C carbon 6	14.0 N nitrogen 7	16.0 O oxygen 8	19.0 F fluorine 9	20.2 Ne neon 10	39.9 Ar argon 18	4.0 He helium 2
27.0 Al aluminium 13	28.1 Si silicon 14	31.0 P phosphorus 15	32.1 S sulfur 16	35.5 Cl chlorine 17	39.9 Ar argon 18	79.9 Br bromine 35	83.8 Kr krypton 36
69.7 Ga gallium 31	72.6 Ge germanium 32	74.9 As arsenic 33	79.0 Se selenium 34	79.9 Br bromine 35	83.8 Kr krypton 36	131.3 Xe xenon 54	131.3 Xe xenon 54
114.8 In indium 49	118.7 Sn tin 50	121.8 Sb antimony 51	127.6 Te tellurium 52	126.9 I iodine 53	131.3 Xe xenon 54	210 At astatine 85	210 At astatine 85
112.4 Cd cadmium 48	107.9 Ag silver 47	106.4 Pd palladium 46	102.9 Rh rhodium 45	101.1 Ru ruthenium 44	55.8 Fe iron 26	58.9 Co cobalt 27	58.7 Ni nickel 28
65.4 Zn zinc 30	63.5 Cu copper 29	58.7 Ni nickel 28	58.9 Co cobalt 27	55.8 Fe iron 26	54.9 Mn manganese 25	52.0 Cr chromium 24	47.9 Ti titanium 22
112.4 Cd cadmium 48	107.9 Ag silver 47	106.4 Pd palladium 46	102.9 Rh rhodium 45	101.1 Ru ruthenium 44	95.9 Mo molybdenum 42	92.9 Nb niobium 41	88.9 Y yttrium 39
200.6 Hg mercury 80	197.0 Au gold 79	195.1 Pt platinum 78	192.2 Ir iridium 77	190.2 Os osmium 76	186.2 Re rhenium 75	183.8 W tungsten 74	178.5 Hf hafnium 72
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