



# The Periodic Table of the Elements

1 H Hydrogen 0																	2 He Helium 2						
3 Li Lithium 4	4 Be Beryllium 5																	5 B Boron 6	6 C Carbon 6	7 N Nitrogen 7	8 O Oxygen 8	9 F Fluorine 10	10 Ne Neon 10
11 Na Sodium 12	12 Mg Magnesium 12																	13 Al Aluminum 14	14 Si Silicon 14	15 P Phosphorus 16	16 S Sulfur 16	17 Cl Chlorine 18	18 Ar Argon 22
19 K Potassium 20	20 Ca Calcium 20	21 Sc Scandium 24	22 Ti Titanium 26	23 V Vanadium 28	24 Cr Chromium 28	25 Mn Manganese 30	26 Fe Iron 30	27 Co Cobalt 32	28 Ni Nickel 31	29 Cu Copper 35	30 Zn Zinc 35	31 Ga Gallium 39	32 Ge Germanium 41	33 As Arsenic 42	34 Se Selenium 45	35 Br Bromine 45	36 Kr Krypton 48						
37 Rb Rubidium 48	38 Sr Strontium 50	39 Y Yttrium 50	40 Zr Zirconium 51	41 Nb Niobium 52	42 Mo Molybdenum 54	43 Tc Technetium 56	44 Ru Ruthenium 57	45 Rh Rhodium 58	46 Pd Palladium 60	47 Ag Silver 61	48 Cd Cadmium 64	49 In Indium 66	50 Sn Tin 69	51 Sb Antimony 71	52 Te Tellurium 76	53 I Iodine 74	54 Xe Xenon 77						
55 Cs Cesium 78	56 Ba Barium 81	71 Lu Lutetium 104	72 Hf Hafnium 106	73 Ta Tantalum 108	74 W Tungsten 110	75 Re Rhenium 111	76 Os Osmium 114	77 Ir Iridium 115	78 Pt Platinum 117	79 Au Gold 118	80 Hg Mercury 121	81 Tl Thallium 123	82 Pb Lead 125	83 Bi Bismuth 126	84 Po Polonium 125	85 At Astatine 125	86 Rn Radon 136						
87 Fr Francium 136	88 Ra Radium 138	103 Lr Lawrencium 159	104 Rf Rutherfordium 157	105 Db Dubnium 158	106 Sg Seaborgium 160	107 Bh Bohrium 157	108 Hs Hassium 162	109 Mt Meitnerium 159	110 Ds Darmstadtium 171	111 Rg Roentgenium 161	112 Uub Ununbium 173	113 Uut Ununtrium 171	114 Uuq Ununquadium 175	115 Uup Ununpentium 173	116 Uuh Ununhexium 176	117 Uus Ununseptium 176	118 Uuo Ununoctium 176						

# of protons  
element symbol  
element name  
# of neutrons

57 La Lanthanum 82	58 Ce Cerium 82	59 Pr Praseodymium 82	60 Nd Neodymium 84	61 Pm Promethium 84	62 Sm Samarium 88	63 Eu Europium 89	64 Gd Gadolinium 93	65 Tb Terbium 94	66 Dy Dyprosium 96	67 Ho Holmium 98	68 Er Erbium 99	69 Tm Thulium 100	70 Yb Ytterbium 102
89 Ac Actinium 138	90 Th Thorium 142	91 Pa Protactinium 140	92 U Uranium 146	93 Np Neptunium 144	94 Pu Plutonium 150	95 Am Americium 148	96 Cm Curium 151	97 Bk Berkelium 150	98 Cf Californium 153	99 Es Einsteinium 153	100 Fm Fermium 157	101 Md Mendelevium 157	102 No Nobelium 157