

The Periodic Table of Elements

+1																		0																	
1 H Hydrogen 1.01 ∞ +1																		2 He Helium 4.00 0																	
3 Li Lithium 6.94 +1																		4 Be Beryllium 9.01 +2																	
11 Na Sodium 22.99 +1																		12 Mg Magnesium 24.31 +2																	
19 K Potassium 39.10 +1																		20 Ca Calcium 40.08 +2																	
37 Rb Rubidium 85.47 +1																		38 Sr Strontium 87.62 +2																	
55 Cs Cesium 132.91 +1																		56 Ba Barium 137.33 +2																	
87 Fr Francium (223) +1																		88 Ra Radium (226) +2																	
103 Lr Lawrencium (266) +3																		104 Rf Rutherfordium (267) -																	
105 Db Dubnium (268) -																		106 Sg Seaborgium (269) -																	
107 Bh Bohrium (270) -																		108 Hs Hassium (269) -																	
109 Mt Meitnerium (278) -																		110 Ds Darmstadtium (281) -																	
111 Rg Roentgenium (280) -																		112 Cn Copernicium (285) -																	
113 Nh Nihonium (286) -																		114 Fl Flerovium (289) -																	
115 Mc Moscovium (289) -																		116 Lv Livermorium (293) -																	
117 Ts Tennessine (294) -																		118 Og Oganesson (294) -																	

Key

Atomic Number

Symbol

Name of Element

Atomic Weight

Radioactive

Diatomic

Solid

Liquid

Gas

Synthetic

19

K

Potassium

39.10

+1

+3		+/- 4		-3		-2		-1		0	
5 B Boron 10.81 +3	6 C Carbon 12.01 +/- 4	7 N Nitrogen 14.01 ∞ -3	8 O Oxygen 16.00 ∞ -2	9 F Fluorine 19.00 ∞ -1	10 Ne Neon 20.18 0	13 Al Aluminum 26.98 +3	14 Si Silicon 28.09 +4	15 P Phosphorus 30.97 -3	16 S Sulfur 32.07 -2	17 Cl Chlorine 35.45 ∞ -1	18 Ar Argon 39.95 0
31 Ga Gallium 69.72 +3	32 Ge Germanium 72.61 +4	33 As Arsenic 74.92 -3	34 Se Selenium 78.96 -2	35 Br Bromine 79.90 ∞ -1	36 Kr Krypton 83.80 0	49 In Indium 114.82 +3	50 Sn Tin 118.71 +4,2	51 Sb Antimony 121.76 +/- 3,5	52 Te Tellurium 127.60 -2	53 I Iodine 126.90 ∞ -1	54 Xe Xenon 131.29 0
81 Tl Thallium 204.38 +3,1	82 Pb Lead 207.20 +4,2	83 Bi Bismuth 208.98 +3,5	84 Po Polonium (209) +4,2,6	85 At Astatine (210) -1	86 Rn Radon (222) 0						

Key

Atomic Number
Symbol
Name of Element
Atomic Weight

Radioactive

Diatomic

Charge on Ion

Solid
 Liquid
 Gas
 Synthetic

	Metal
	Metalloid
	Nonmetal

Lanthanides*

Actinides**

57	58	59	60	61	62	63	64	65	66	67	68	69	70
La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Lanthanum	Cerium	Praseodymium	Neodymium	Promethium (145)	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium
138.91	140.12	140.91	144.24		150.36	151.97	157.25	158.93	162.50	164.93	167.26	168.93	173.05
+3	+3,4	+3,4	+3	+3	+3,2	+3,2	+3	+3,4	+3	+3	+3	+3,2	+3,2
89	90	91	92	93	94	95	96	97	98	99	100	101	102
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No
Actinium (227)	Thorium	Protactinium	Uranium	Neptunium (237)	Plutonium (244)	Americium (243)	Curium (247)	Berkelium (247)	Californium (251)	Einsteinium (252)	Fermium (257)	Mendelevium (258)	Nobelium (259)
+3	+4	+5,4	+6,5,4,3	+6,5,4,3	+6,5,4,3	+6,5,4,3	+3	+4,3	-	+3	+3	+3	+2,3