

# Periodic Table of the Elements

Period																		
	Group		Group										Group					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1.00794 <b>H</b> 1 1																	4.00260 <b>He</b> 2 2
2	6.941 <b>Li</b> 3 2-1	9.01218 <b>Be</b> 4 2-2											10.81 <b>B</b> 5 2-3	12.011 <b>C</b> 6 2-4	14.0067 <b>N</b> 7 2-5	15.9994 <b>O</b> 8 2-6	18.998403 <b>F</b> 9 2-7	20.179 <b>Ne</b> 10 2-8
3	22.98977 <b>Na</b> 11 2-8-1	24.305 <b>Mg</b> 12 2-8-2											26.98154 <b>Al</b> 13 2-8-3	28.0855 <b>Si</b> 14 2-8-4	30.97376 <b>P</b> 15 2-8-5	32.06 <b>S</b> 16 2-8-6	35.453 <b>Cl</b> 17 2-8-7	39.948 <b>Ar</b> 18 2-8-8
4	39.0983 <b>K</b> 19 2-8-8-1	40.08 <b>Ca</b> 20 2-8-8-2	44.9559 <b>Sc</b> 21 2-8-9-2	47.88 <b>Ti</b> 22 2-8-10-2	50.9415 <b>V</b> 23 2-8-11-2	51.996 <b>Cr</b> 24 2-8-13-1	54.9380 <b>Mn</b> 25 2-8-13-2	55.847 <b>Fe</b> 26 2-8-14-2	58.9332 <b>Co</b> 27 2-8-15-2	58.69 <b>Ni</b> 28 2-8-16-2	63.546 <b>Cu</b> 29 2-8-18-1	65.39 <b>Zn</b> 30 2-8-18-2	69.72 <b>Ga</b> 31 2-8-18-3	72.59 <b>Ge</b> 32 2-8-18-4	74.9216 <b>As</b> 33 2-8-18-5	78.96 <b>Se</b> 34 2-8-18-6	79.904 <b>Br</b> 35 2-8-18-7	83.80 <b>Kr</b> 36 2-8-18-8
5	85.4678 <b>Rb</b> 37 2-8-18-8-1	87.62 <b>Sr</b> 38 2-8-18-8-2	88.9059 <b>Y</b> 39 2-8-18-9-2	91.224 <b>Zr</b> 40 2-8-18-10-2	92.9064 <b>Nb</b> 41 2-8-18-12-1	95.94 <b>Mo</b> 42 2-8-18-13-1	(98) <b>Tc</b> 43 2-8-18-14-1	101.07 <b>Ru</b> 44 2-8-18-15-1	102.906 <b>Rh</b> 45 2-8-18-16-1	106.42 <b>Pd</b> 46 2-8-18-18	107.868 <b>Ag</b> 47 2-8-18-18-1	112.41 <b>Cd</b> 48 2-8-18-18-2	114.82 <b>In</b> 49 2-8-18-18-3	118.71 <b>Sn</b> 50 2-8-18-18-4	121.75 <b>Sb</b> 51 2-8-18-18-5	127.60 <b>Te</b> 52 2-8-18-18-6	126.905 <b>I</b> 53 2-8-18-18-7	131.29 <b>Xe</b> 54 2-8-18-18-8
6	132.905 <b>Cs</b> 55 2-8-18-18-8-1	137.33 <b>Ba</b> 56 2-8-18-18-8-2	138.906 <b>La</b> 57 2-8-18-18-9-2	178.49 <b>Hf</b> 72 **18-32-10-2	180.948 <b>Ta</b> 73 -18-32-11-2	183.85 <b>W</b> 74 -18-32-12-2	186.207 <b>Re</b> 75 -18-32-13-2	190.2 <b>Os</b> 76 -18-32-14-2	192.22 <b>Ir</b> 77 -18-32-15-2	195.08 <b>Pt</b> 78 -18-32-17-1	196.967 <b>Au</b> 79 -18-32-18-1	200.59 <b>Hg</b> 80 -18-32-18-2	204.383 <b>Tl</b> 81 -18-32-18-3	207.2 <b>Pb</b> 82 -18-32-18-4	208.980 <b>Bi</b> 83 -18-32-18-5	(209) <b>Po</b> 84 -18-32-18-6	(210) <b>At</b> 85 -18-32-18-7	(222) <b>Rn</b> 86 -18-32-18-8
7	(223) <b>Fr</b> 87 -18-32-18-8-1	226.025 <b>Ra</b> 88 -18-32-18-8-2	227.028 <b>Ac</b> 89 -18-32-18-9-2	(261) <b>Rf</b> 104	(262) <b>Db</b> 105	(263) <b>Sg</b> 106	(264) <b>Bh</b> 107	(265) <b>Hs</b> 108	(268) <b>Mt</b> 109	(269) <b>Uun</b> 110	(272) <b>Uuu</b> 111	(277) <b>Uub</b> 112		(285) <b>Uuq</b> 114				

**KEY**

Atomic Mass → 12.011 ← Selected Oxidation States

Symbol → **C**

Atomic Number → 6

Electron Configuration → 2-4

Relative atomic masses are based on <sup>12</sup>C = 12.000

**Note:** Mass numbers in parentheses are mass numbers of the most stable or common isotope.

\*\*Denotes the presence of (2-8-) for elements 72 and above

\*The systematic names and symbols for elements of atomic numbers above 109 will be used until the approval of trivial names by IUPAC.

140.12 <b>Ce</b> 58	140.908 <b>Pr</b> 59	144.24 <b>Nd</b> 60	(145) <b>Pm</b> 61	150.36 <b>Sm</b> 62	151.96 <b>Eu</b> 63	157.25 <b>Gd</b> 64	158.925 <b>Tb</b> 65	162.50 <b>Dy</b> 66	164.930 <b>Ho</b> 67	167.26 <b>Er</b> 68	168.934 <b>Tm</b> 69	173.04 <b>Yb</b> 70	174.967 <b>Lu</b> 71
232.038 <b>Th</b> 90	231.036 <b>Pa</b> 91	238.029 <b>U</b> 92	237.048 <b>Np</b> 93	(244) <b>Pu</b> 94	(243) <b>Am</b> 95	(247) <b>Cm</b> 96	(247) <b>Bk</b> 97	(251) <b>Cf</b> 98	(252) <b>Es</b> 99	(257) <b>Fm</b> 100	(258) <b>Md</b> 101	(259) <b>No</b> 102	(260) <b>Lr</b> 103