

# Periodic Table of the Elements

Period	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1.00794 1 <b>H</b>																	4.00260 2 <b>He</b>
2	6.941 3 2-1 <b>Li</b>	9.01218 4 2-2 <b>Be</b>																
3	22.98977 11 2-8-1 <b>Na</b>	24.305 12 2-8-2 <b>Mg</b>																
4	39.0983 19 2-8-8-1 <b>K</b>	40.08 20 2-8-8-2 <b>Ca</b>	44.9559 21 2-8-9-2 <b>Sc</b>	47.867 22 2-8-10-2 <b>Ti</b>	50.9415 23 2-8-11-2 <b>V</b>	51.996 24 2-8-13-1 <b>Cr</b>	54.9380 25 2-8-13-2 <b>Mn</b>	55.845 26 2-8-14-2 <b>Fe</b>	58.9332 27 2-8-15-2 <b>Co</b>	58.693 28 2-8-16-2 <b>Ni</b>	63.546 29 2-8-18-1 <b>Cu</b>	65.409 30 2-8-18-2 <b>Zn</b>	69.723 31 2-8-18-3 <b>Ga</b>	72.64 32 2-8-18-4 <b>Ge</b>	74.9216 33 2-8-18-5 <b>As</b>	78.96 34 2-8-18-6 <b>Se</b>	79.904 35 2-8-18-7 <b>Br</b>	83.798 36 2-8-18-8 <b>Kr</b>
5	85.4678 37 2-8-18-8-1 <b>Rb</b>	87.62 38 2-8-18-8-2 <b>Sr</b>	88.9059 39 2-8-18-9-2 <b>Y</b>	91.224 40 2-8-18-10-2 <b>Zr</b>	92.9064 41 2-8-18-12-1 <b>Nb</b>	95.94 42 2-8-18-13-1 <b>Mo</b>	(98) 43 2-8-18-13-2 <b>Tc</b>	101.07 44 2-8-18-15-1 <b>Ru</b>	102.906 45 2-8-18-16-1 <b>Rh</b>	106.42 46 2-8-18-18 <b>Pd</b>	107.868 47 2-8-18-18-1 <b>Ag</b>	112.41 48 2-8-18-18-2 <b>Cd</b>	114.818 49 2-8-18-18-3 <b>In</b>	118.71 50 2-8-18-18-4 <b>Sn</b>	121.760 51 2-8-18-18-5 <b>Sb</b>	127.60 52 2-8-18-18-6 <b>Te</b>	126.904 53 2-8-18-18-7 <b>I</b>	131.29 54 2-8-18-18-8 <b>Xe</b>
6	132.905 55 2-8-18-18-8-1 <b>Cs</b>	137.33 56 2-8-18-18-8-2 <b>Ba</b>	138.9055 57 2-8-18-18-9-2 <b>La</b>	178.49 72 *18-32-10-2 <b>Hf</b>	180.948 73 -18-32-11-2 <b>Ta</b>	183.84 74 -18-32-12-2 <b>W</b>	186.207 75 -18-32-13-2 <b>Re</b>	190.23 76 -18-32-14-2 <b>Os</b>	192.217 77 -18-32-15-2 <b>Ir</b>	195.08 78 -18-32-17-1 <b>Pt</b>	196.967 79 -18-32-18-1 <b>Au</b>	200.59 80 -18-32-18-2 <b>Hg</b>	204.383 81 -18-32-18-3 <b>Tl</b>	207.2 82 -18-32-18-4 <b>Pb</b>	208.980 83 -18-32-18-5 <b>Bi</b>	(209) 84 -18-32-18-6 <b>Po</b>	(210) 85 -18-32-18-7 <b>At</b>	(222) 86 -18-32-18-8 <b>Rn</b>
7	(223) 87 -18-32-18-8-1 <b>Fr</b>	(226) 88 -18-32-18-8-2 <b>Ra</b>	(227) 89 -18-32-18-9-2 <b>Ac</b>	(261) 104 <b>Rf</b>	(262) 105 <b>Db</b>	(266) 106 <b>Sg</b>	(272) 107 <b>Bh</b>	(277) 108 <b>Hs</b>	(276) 109 <b>Mt</b>	(281) 110 <b>Ds</b>	(280) 111 <b>Rg</b>	(285) 112 <b>Cn</b>	(284) 113** <b>Uut</b>	(289) 114 <b>Uuq</b>	(288) 115 <b>Uup</b>	(292) 116 <b>Uuh</b>	( ? ) 117 <b>Uus</b>	(294) 118 <b>Uuo</b>
				140.116 58 <b>Ce</b>	140.908 59 <b>Pr</b>	144.24 60 <b>Nd</b>	(145) 61 <b>Pm</b>	150.36 62 <b>Sm</b>	151.964 63 <b>Eu</b>	157.25 64 <b>Gd</b>	158.925 65 <b>Tb</b>	162.500 66 <b>Dy</b>	164.930 67 <b>Ho</b>	167.259 68 <b>Er</b>	168.934 69 <b>Tm</b>	173.04 70 <b>Yb</b>	174.9668 71 <b>Lu</b>	
				232.038 90 <b>Th</b>	231.036 91 <b>Pa</b>	238.029 92 <b>U</b>	(237) 93 <b>Np</b>	(244) 94 <b>Pu</b>	(243) 95 <b>Am</b>	(247) 96 <b>Cm</b>	(247) 97 <b>Bk</b>	(251) 98 <b>Cf</b>	(252) 99 <b>Es</b>	(257) 100 <b>Fm</b>	(258) 101 <b>Md</b>	(259) 102 <b>No</b>	(262) 103 <b>Lr</b>	

**KEY**

Atomic Mass → 12.011      Selected Oxidation States → -4, +2, +4

Symbol → **C**

Atomic Number → 6

Electron Configuration → 2-4

Relative atomic masses are based on <sup>12</sup>C = 12 (exact)

**Note:** 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 113 and above will be used until the approval of trivial names by IUPAC.

Source: CRC Handbook of Chemistry and Physics, 91<sup>st</sup> ed., 2010–2011, CRC Press

Alkali Metal	Alkaline Earth	Transition Metal	Basic Metal	Semimetal	Nonmetal	Halogen	Noble Gas	Lanthanide	Actinide
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