

Periodic Table of the Elements

The periodic table is organized into groups and periods. Groups are vertical columns labeled 1 through 18. Periods are horizontal rows labeled 1 through 7. Elements are represented by boxes containing their atomic number, symbol, name, atomic mass, and element number.

Group	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	H 1.008 hydrogen	Be 9.012 beryllium											B 10.81 boron	C 12.01 carbon	N 14.01 nitrogen	O 16.00 oxygen	F 19.00 fluorine	Ne 20.18 neon
2	Li 6.94 lithium																	He 4.003 helium
3	Na 22.99 sodium	Mg 24.31 magnesium											Al 26.98 aluminum	Si 28.09 silicon	P 30.97 phosphorus	S 32.06 sulfur	Cl 35.45 chlorine	Ar 39.95 argon
4	K 39.10 potassium	Ca 40.08 calcium	Sc 44.96 scandium	Ti 47.87 titanium	V 50.94 vanadium	Cr 52.00 chromium	Mn 54.94 manganese	Fe 55.85 iron	Co 58.93 cobalt	Ni 58.69 nickel	Cu 63.55 copper	Zn 65.38 zinc	Ga 69.72 gallium	Ge 72.63 germanium	As 74.92 arsenic	Se 78.97 selenium	Br 79.90 bromine	Kr 83.80 krypton
5	Rb 85.47 rubidium	Sr 87.62 strontium	Y 88.91 yttrium	Zr 91.22 zirconium	Nb 92.91 niobium	Mo 95.95 molybdenum	Tc [97] technetium	Ru 101.1 ruthenium	Rh 102.9 rhodium	Pd 106.4 palladium	Ag 107.9 silver	Cd 112.4 cadmium	In 114.8 indium	Sn 118.7 tin	Sb 121.8 antimony	Te 127.6 tellurium	I 126.9 iodine	Xe 131.3 xenon
6	Cs 132.9 cesium	Ba 137.3 barium	La-Lu * 57-71	Hf 178.5 hafnium	Ta 180.9 tautium	W 183.8 tungsten	Re 186.2 rhodium	Os 190.2 osmium	Ir 192.2 iridium	Pt 195.1 platinum	Au 197.0 gold	Hg 200.6 mercury	Tl 204.4 thallium	Pb 207.2 lead	Bi 209.0 bismuth	Po [209] polonium	At [210] astatine	Rn [222] radon
7	Fr [223] francium	Ra [226] radium	Ac-Lr ** 89-103	Rf [267] rutherfordium	Db [270] dubnium	Sg [271] seaborgium	Bh [270] bohrium	Hs [271] hassium	Mt [276] meitnerium	Ds [281] darmstadtium	Rg [282] roentgenium	Cn [285] copernicium	Uut [285] ununtrium	Fl [289] flerovium	Uup [288] ununpentium	Lv [293] livermorium	Uus [294] ununseptium	Uuo [294] ununoctoium
			* 57 La 138.9 lanthanum	58 Ce 140.1 cerium	59 Pr 140.9 praseodymium	60 Nd 144.2 neodymium	61 Pm [145] promethium	62 Sm 150.4 samarium	63 Eu 152.0 europium	64 Gd 157.3 gadolinium	65 Tb 158.9 terbium	66 Dy 162.5 dysprosium	67 Ho 164.9 holmium	68 Er 167.3 erbium	69 Tm 168.9 thulium	70 Yb 173.1 ytterbium	71 Lu 175.0 lutetium	
			** 89 Ac [227] actinium	90 Th 232.0 thorium	91 Pa 231.0 protactinium	92 U 238.0 uranium	93 Np [237] neptunium	94 Pu [244] plutonium	95 Am [243] americium	96 Cm [247] curium	97 Bk [247] berkelium	98 Cf [251] californium	99 Es [252] einsteinium	100 Fm [257] fermium	101 Md [258] mendelevium	102 No [259] nobelium	103 Lr [262] lawrencium	

Atomic number → 1
 Name → hydrogen
 Symbol → H
 Atomic mass → 1.008

Color Code

Metal	Solid
Metalloid	Liquid
Nonmetal	Gas