

The Modern Periodic Table of the Elements

1 ±1 H Hydrogen 1.0	Key																18 2 He Helium 4.0		
Atomic number →		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 6 +4 +2 Symbol → C Carbon 12.0 ↑ Atomic mass* </div>																Combining capacity	
3 +1 Li Lithium 6.9	4 +2 Be Beryllium 9.0											5 +3 B Boron 10.8	6 +4 +2 C Carbon 12.0	7 -3 +5 N Nitrogen 14.0	8 -2 O Oxygen 16.0	9 -1 F Fluorine 19.0	10 Ne Neon 20.2		
11 +1 Na Sodium 23.0	12 +2 Mg Magnesium 24.3											13 +3 Al Aluminum 27.0	14 +4 +2 Si Silicon 28.1	15 -3 P Phosphorus 31.0	16 -2 +4 S Sulphur 32.1	17 -1 Cl Chlorine 35.5	18 Ar Argon 40.0		
*Based on C ¹² = 12.00000																			
19 +1 K Potassium 39.1	20 +2 Ca Calcium 40.1	21 +3 Sc Scandium 45.0	22 +3 +4 Ti Titanium 47.9	23 +2 +5 V Vanadium 50.9	24 +2 +3 Cr Chromium 52.0	25 +2 +7 Mn Manganese 54.9	26 +3 +2 Fe Iron 55.8	27 +2 +3 Co Cobalt 58.9	28 +2 +3 Ni Nickel 58.7	29 +1 +2 Cu Copper 63.5	30 +2 Zn Zinc 65.4	31 +3 Ga Gallium 69.7	32 +4 +2 Ge Germanium 72.6	33 -3 +5 As Arsenic 74.9	34 -2 +4 Se Selenium 79.0	35 -1 Br Bromine 79.9	36 Kr Krypton 83.8		
37 +1 Rb Rubidium 85.5	38 +2 Sr Strontium 87.6	39 +3 Y Yttrium 88.9	40 +4 Zr Zirconium 91.2	41 +5 +3 Nb Niobium 92.9	42 +6 +2 Mo Molybdenum 95.9	43 +7 +3 Tc Technetium (99)	44 +3 Ru Ruthenium 101.1	45 +3 Rh Rhodium 102.9	46 +2 +3 Pd Palladium 106.4	47 +1 Ag Silver 107.9	48 +3 Cd Cadmium 112.4	49 +3 +1 In Indium 114.8	50 +2 +4 Sn Tin 118.7	51 -3 +5 Sb Antimony 121.8	52 -2 +4 Te Tellurium 127.6	53 -1 I Iodine 126.9	54 Xe Xenon 131.3		
55 +1 Cs Cesium 132.9	56 +2 Ba Barium 137.3	57 +3 La Lanthanum 138.9	72 +4 Hf Hafnium 178.5	73 +5 Ta Tantalum 180.9	74 +6 +2 W Tungsten 183.9	75 +7 +3 Re Rhenium 186.2	76 +2 +3 Os Osmium 190.2	77 +2 +3 Ir Iridium 192.2	78 +2 +4 Pt Platinum 195.1	79 +1 +3 Au Gold 197.0	80 +1 +2 Hg Mercury 200.6	81 +1 +3 Tl Thallium 204.4	82 +2 +4 Pb Lead 207.2	83 -3 +5 Bi Bismuth 209.0	84 ±2 +4 Po Polonium (209)	85 -1 At Astatine (210)	86 Rn Radon (222)		
87 +1 Fr Francium (223)†	88 +2 Ra Radium (226)	89 +3 Ac Actinium (227)																	

LANTHANIDE SERIES

58 +3 +4 Ce Cerium 140.1	59 +3 +4 Pr Praseodymium 140.9	60 +3 Nd Neodymium 144.2	61 +3 Pm Promethium (145)	62 +2 +3 Sm Samarium 150.4	63 +2 +3 Eu Europium 152.0	64 +3 Gd Gadolinium 157.3	65 +3 +4 Tb Terbium 158.9	66 +3 Dy Dysprosium 162.5	67 +3 Ho Holmium 164.9	68 +3 Er Erbium 167.3	69 -2 -3 Tm Thulium 168.9	70 -2 -3 Yb Ytterbium 173.0	71 -3 Lu Lutetium 175.0
---	---	--------------------------------------	---------------------------------------	---	---	---------------------------------------	--	---------------------------------------	------------------------------------	-----------------------------------	--	--	-------------------------------------

ACTINIDE SERIES

90 +4 Th Thorium 232.0	91 +4 +5 Pa Protactinium (231)	92 +3 +4 U Uranium 238.0	93 +3 +4 Np Neptunium (244)	94 +3 +4 Pu Plutonium (244)	95 +3 +4 Am Americium (243)	96 +3 Cm Curium (247)	97 +3 +4 Bk Berkelium (247)	98 Cf Californium (251)	99 Es Einsteinium (252)	100 Fm Fermium (257)	101 Md Mendelevium (258)	102 No Nobelium (259)	103 Lr Lawrencium (260)
------------------------------------	---	---	--	--	--	-----------------------------------	--	----------------------------------	----------------------------------	-------------------------------	-----------------------------------	--------------------------------	----------------------------------

†Masses in parentheses are the mass numbers of the most stable isotope.