

Periodic Table of Elements

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1 H Hydrogen +1, -1																	2 He Helium 0
2	3 Li Lithium +1	4 Be Beryllium +2											5 B Boron +3	6 C Carbon +4, -4	7 N Nitrogen -3	8 O Oxygen -2	9 F Fluorine -1	10 Ne Neon 0
3	11 Na Sodium +1	12 Mg Magnesium +2											13 Al Aluminum +3	14 Si Silicon +4, -4	15 P Phosphorus -3	16 S Sulfur -2	17 Cl Chlorine -1	18 Ar Argon 0
4	19 K Potassium +1	20 Ca Calcium +2	21 Sc Scandium +3	22 Ti Titanium +2, +3, +4	23 V Vanadium +2, +3, ...	24 Cr Chromium +2, +3, +6	25 Mn Manganese +2, +3, ...	26 Fe Iron +2, +3	27 Co Cobalt +2, +3	28 Ni Nickel +2, +3	29 Cu Copper +1, +2	30 Zn Zinc +2	31 Ga Gallium +3	32 Ge Germanium +4, -4	33 As Arsenic -3	34 Se Selenium -2	35 Br Bromine -1	36 Kr Krypton 0
5	37 Rb Rubidium +1	38 Sr Strontium +2	39 Y Yttrium +3	40 Zr Zirconium +4	41 Nb Niobium +3, +5	42 Mo Molybden... +6	43 Tc Technetium +4, +6, +7	44 Ru Ruthenium +3	45 Rh Rhodium +3	46 Pd Palladium +2, +3	47 Ag Silver +1	48 Cd Cadmium +2	49 In Indium +3	50 Sn Tin +2, +4	51 Sb Antimony -3	52 Te Tellurium -2	53 I Iodine -1	54 Xe Xenon 0
6	55 Cs Cesium +1	56 Ba Barium +2	57-71 La-Lu	72 Hf Hafnium +4	73 Ta Tantalum +5	74 W Tungsten +6	75 Re Rhenium +4, +6, +7	76 Os Osmium +3, +4	77 Ir Iridium +3, +4	78 Pt Platinum +2, +4	79 Au Gold +1, +3	80 Hg Mercury +1, +2	81 Tl Thallium +1, +3	82 Pb Lead +2, +4	83 Bi Bismuth +3, +5	84 Po Polonium +2, +4	85 At Astatine -1	86 Rn Radon 0
7	87 Fr Francium +1	88 Ra Radium +2	89-103 Ac-Lr	104 Rf Rutherfor... +4	105 Db Dubnium +3, +4, +5	106 Sg Seaborgium +3, +4, ...	107 Bh Bohrium +3, +4, ...	108 Hs Hassium +2, +3, ...	109 Mt Meitnerium —	110 Ds Darmstadt... —	111 Rg Roentgeni... —	112 Cn Copernici... —	113 Nh Nihonium —	114 Fl Flerovium —	115 Mc Moscovium —	116 Lv Livermori... —	117 Ts Tennessine —	118 Og Oganesson —
Lanthanides			57 La Lanthanum +3	58 Ce Cerium +3, +4	59 Pr Praseody... +3	60 Nd Neodymium +3	61 Pm Promethium +3	62 Sm Samarium +2, +3	63 Eu Europium +2, +3	64 Gd Gadolinium +3	65 Tb Terbium +3	66 Dy Dysprosium +3	67 Ho Holmium +3	68 Er Erbium +3	69 Tm Thulium +3	70 Yb Ytterblum +2, +3	71 Lu Lutetium +3	
Actinides			89 Ac Actinium +3	90 Th Thorium +4	91 Pa Protactini... +4, +5	92 U Uranium +3, +4, ...	93 Np Neptunium +3, +4, ...	94 Pu Plutonium +3, +4, ...	95 Am Americium +3, +4, ...	96 Cm Curium +3	97 Bk Berkelium +3, +4	98 Cf Californium +3	99 Es Einsteinium +3	100 Fm Fermium +3	101 Md Mendelevi... +2, +3	102 No Nobelium +2, +3	103 Lr Lawrencium +3	

- Alkali metal
- Alkaline earth metal
- Transition metal
- Post-transition metal
- Metalloid
- Reactive nonmetal
- Halogen
- Noble gas
- Lanthanide
- Actinide
- Unknown properties