

Periodic Table of the Elements

1 IA 1A												18 VIIIA 8A											
Periodic Table of the Elements																							
1 H Hydrogen 1.008												2 He Helium 4.003											
2 IIA 2A												13 IIIA 3A											
3 Li Lithium 6.941												4 Be Beryllium 9.012											
11 Na Sodium 22.990												12 Mg Magnesium 24.305											
3 IIIB 3B												4 IVB 4B											
5 VB 5B												6 VIB 6B											
7 VIIB 7B												8 VIII 8											
9 VIII 8												10 VIII 8											
11 IB 1B												12 IIB 2B											
13 Al Aluminum 26.982												14 Si Silicon 28.086											
15 P Phosphorus 30.974												16 S Sulfur 32.066											
17 Cl Chlorine 35.453												18 Ar Argon 39.948											
19 K Potassium 39.098												20 Ca Calcium 40.078											
21 Sc Scandium 44.956												22 Ti Titanium 47.88											
23 V Vanadium 50.942												24 Cr Chromium 51.996											
25 Mn Manganese 54.938												26 Fe Iron 55.845											
27 Co Cobalt 58.933												28 Ni Nickel 58.693											
29 Cu Copper 63.546												30 Zn Zinc 65.38											
31 Ga Gallium 69.723												32 Ge Germanium 72.631											
33 As Arsenic 74.922												34 Se Selenium 78.971											
35 Br Bromine 79.904												36 Kr Krypton 84.798											
37 Rb Rubidium 84.468												38 Sr Strontium 87.62											
39 Y Yttrium 88.906												40 Zr Zirconium 91.224											
41 Nb Niobium 92.906												42 Mo Molybdenum 95.95											
43 Tc Technetium 98.907												44 Ru Ruthenium 101.07											
45 Rh Rhodium 102.906												46 Pd Palladium 106.42											
47 Ag Silver 107.868												48 Cd Cadmium 112.414											
49 In Indium 114.818												50 Sn Tin 118.711											
51 Sb Antimony 121.760												52 Te Tellurium 127.6											
53 I Iodine 126.904												54 Xe Xenon 131.249											
55 Cs Cesium 132.905												56 Ba Barium 137.328											
57-71												72 Hf Hafnium 178.49											
73 Ta Tantalum 180.948												74 W Tungsten 183.84											
75 Re Rhenium 186.207												76 Os Osmium 190.23											
77 Ir Iridium 192.217												78 Pt Platinum 195.085											
79 Au Gold 196.967												80 Hg Mercury 200.592											
81 Tl Thallium 204.383												82 Pb Lead 207.2											
83 Bi Bismuth 208.980												84 Po Polonium [208.982]											
85 At Astatine 209.987												86 Rn Radon 222.018											
87 Fr Francium 223.020												88 Ra Radium 226.025											
89-103												104 Rf Rutherfordium [261]											
105 Db Dubnium [262]												106 Sg Seaborgium [266]											
107 Bh Bohrium [264]												108 Hs Hassium [269]											
109 Mt Meitnerium [268]												110 Ds Darmstadtium [269]											
111 Rg Roentgenium [272]												112 Cn Copernicium [277]											
113 Uut Ununtrium unknown												114 Fl Flerovium [289]											
115 Uup Ununpentium unknown												116 Lv Livermorium [298]											
117 Uus Ununseptium unknown												118 Uuo Ununoctium unknown											

Lanthanide Series	57 La Lanthanum 138.905	58 Ce Cerium 140.116	59 Pr Praseodymium 140.908	60 Nd Neodymium 144.243	61 Pm Promethium 144.913	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.925	66 Dy Dysprosium 162.500	67 Ho Holmium 164.930	68 Er Erbium 167.259	69 Tm Thulium 168.934	70 Yb Ytterbium 173.055	71 Lu Lutetium 174.967
Actinide Series	89 Ac Actinium 227.028	90 Th Thorium 232.038	91 Pa Protactinium 231.036	92 U Uranium 238.029	93 Np Neptunium 237.048	94 Pu Plutonium 244.064	95 Am Americium 243.061	96 Cm Curium 247.070	97 Bk Berkelium 247.070	98 Cf Californium 251.080	99 Es Einsteinium [254]	100 Fm Fermium 257.095	101 Md Mendelevium 258.1	102 No Nobelium 259.101	103 Lr Lawrencium [262]

Alkali Metal

Alkaline Earth

Transition Metal

Basic Metal

Semimetal

Nonmetal

Halogen

Noble Gas

Lanthanide

Actinide