Periodic Table of the Elements

Light Metals — *Nonmetals* — *Heavy Metals*

GROUP / PERIOD	Ia	IIa	IIIb	IVb	Vb	VIb	VIIb	VIIIb			Ib	IIb	IIIa	IVa	Va	VIa	VIIa	VIIIa
1	H Hydrogen 1.008 1																	He Helium 4.003 2
2	Li Lithium 6.94 3	Be Beryllium 9.013 4											B Boron 10.82 5	C Carbon 12.011 6	N Nitrogen 14.008 7	O Oxygen 16 8	F Fluorine 19 9	Ne Neon 20.183 10
3	Na Sodium 22.991 11	Mg Magnesium 24.32 12											Al Aluminum 26.98 13	Si Silicon 28.09 14	P Phosphorus 30.975 15	S Sulfur 32.066 16	Cl Chlorine 35.457 17	A Argon 39.944 18
4	K Potassium 39.1 19	Ca Calcium 40.08 20	Sc Scandium 44.96 21	Ti Titanium 47.9 22	V Vanadium 50.95 23	Cr Chromium 52.01 24	Mn Manganese 54.94 25	Fe Iron 55.85 26	Co Cobalt 58.94 27	Ni Nickel 58.71 28	Cu Copper 63.54 29	Zn Zinc 65.38 30	Ga Gallium 69.72 31	Ge Germanium 72.6 32	As Arsenic 74.91 33	Se Selenium 78.96 34	Br Bromine 79.916 35	Kr Krypton 83.8 36
5	Rb Rubidium 85.48 37	Sr Strontium 87.63 38	Y Yttrium 88.92 39	Zr Zirconium 91.22 40	Nb Niobium 92.91 41	Mo Molybdenum 95.95 42	Tc Technetium 99 43	Ru Ruthenium 101.1 44	Rh Rhodium 102.91 45	Pd Palladium 106.4 46	Ag Silver 107.88 47	Cd Cadmium 112.41 48	In Indium 114.82 49	Sn Tin 118.7 50	Sb Antimony 121.76 51	Te Tellurium 127.61 52	I Iodine 126.91 53	Xe Xenon 131.3 54
6	Cs Cesium 132.91 55	Ba Barium 137.56 56	Lu Lutetium 174.99 71	Hf Hafnium 178.5 72	Ta Tantalum 180.95 73	W Tungsten 183.86 74	Re Rhenium 186.22 75	Os Osmium 190.2 76	Ir Iridium 192.2 77	Pt Platinum 195.09 78	Au Gold 197 79	Hg Mercury 200.61 80	Tl Thallium 204.39 81	Pb Lead 207.21 82	Bi Bismuth 209 83	Po Polonium 210 84	At Astatine (210) 85	Rn Radon (222) 86
7	Fr Francium (223) 87	Ra Radium 226.05 88	Lw Lawrencium (260) 103	Rf Ruthenium (261) 104	Db Dubnium (262) 105	Sg Seaborgium (263) 106	Bh Bohrium (262) 107	Hs Hassium (265) 108	Mt Meitnerium (266) 109	* (269) 110	* (272) 111	* 112	** 113	** 114	** 115	** 116	** 117	** 118

(* Atomic Weights in parentheses indicate the weight of the most stable isotope)**

*** Elements discovered but not yet officially named**

**** Elements not yet discovered**

Lanthanide Series	La Lanthanum 138.92 57	Ce Cerium 140.13 58	Pr Praseodymium 140.92 59	Nd Neodymium 144.27 60	Pm Promethium 145 61	Sm Samarium 150.35 62	Eu Europium 152 63	Gd Gadolinium 157.26 64	Tb Terbium 158.93 65	Dy Dysprosium 162.51 66	Ho Holmium 164.94 67	Er Erbium 167.27 68	Tm Thulium 168.94 69	Yb Ytterbium 173.4 70
Actinide Series	Ac Actinium 227 89	Th Thorium 232.05 90	Pa Protactinium 231 91	U Uranium 238.07 92	Np Neptunium 237 93	Pu Plutonium 242 94	Am Americium 243 95	Cm Curium 245 96	Bk Berkelium 249 97	Cf Californium 249 98	Es Einsteinium 255 99	Fm Fermium 255 100	Md Mendelevium 256 101	No Nobelium 253 102