

Periodic Table of Elements

alkali metals Group IA												noble gases Group VIII					
1H hydrogen +1, -1 1.00794	alkaline earth metals Group IIA											5B boron 10.811	6C carbon 12.011	7N nitrogen 14.00674	8O oxygen -2, -1 15.9994	9F fluorine -1 18.9984032	2He helium 4.00260
3Li lithium +1 6.941	4Be beryllium +2 9.012182	←----- transition metals -----→										13Al aluminum +3 26.981539	14Si silicon 28.0855	15P phosphorus 30.973762	16S sulfur 32.066	17Cl chlorine -1 35.4527	10Ne neon 20.1797
11Na sodium +1 22.98968	12Mg magnesium +2 24.3050	Group IIIA	Group IVA	Group VA	Group VIA	Group VIIA	Group VIIIA	Group VIIIA	Group VIIIA	Group IB	Group IIB	31Ga gallium 69.723	32Ge germanium 72.561	33As arsenic 74.92159	34Se selenium 78.86	35Br bromine -1 79.904	36Kr krypton 83.80
19K potassium +1 39.0983	20Ca calcium +2 40.078	21Sc scandium 44.955910	22Ti titanium 47.88	23V vanadium 50.9415	24Cr chromium 51.9961	25Mn manganese 54.93805	26Fe iron ferrum 55.847	27Co cobalt 58.93320	28Ni nickel 58.6934	29Cu copper cuprum 63.546	30Zn zinc 65.38	49In indium 114.818	50Sn tin stannum 118.710	51Sb antimony 121.757	52Te tellurium 127.60	53I iodine -1 126.90447	54Xe xenon 132.30
37Rb rubidium +1 85.4678	38Sr strontium +2 87.62	39Y yttrium 88.90585	40Zr zirconium 91.224	41Nb niobium 92.90638	42Mo molybdenum 95.94	43Tc technetium 96.9072	44Ru ruthenium 101.07	45Rh rhodium 102.90550	46Pd palladium 106.4	47Ag silver argentum 107.8682	48Cd cadmium 112.411	81Tl thallium 204.3833	82Pb lead Plumbum 207.2	83Bi bismuth 208.980837	84Po polonium 208.98244	85At astatine 209.98704	86Rn radon (222.0176)
55Cs cesium +1 132.90543	56Ba barium +2 137.327	71Lu lutetium 174.967	72Hf hafnium 178.49	73Ta tantalum 180.9479	74W tungsten wolfram 183.85	75Re rhenium 186.2	76Os osmium 190.23	77Ir iridium 192.22	78Pt platinum 195.09	79Au gold 196.96654	80Hg mercury 200.59	113Uut Ununtrium 286	114Fl Flerovium 289	115Uup Ununpentium 290	116Lv Livermorium 292	117Uus Ununseptium 294	118Uuo Ununoctium 296
87Fr francium +1 223.0197	88Ra radium +2 226.0254	103Lr lawrencium 256.0099	104Rf Rutherfordium 261	105Db Dubnium 262	106Sg Seaborgium 266	107Bh Bohrium 264	108Hs Hassium 277	109Mt Meitnerium 268	110Dm Darmstadtium 281	111Rg Röntgenium 272	112Uub Ununbium 285						

Lanthanide Series→

57La lanthanum 138.9055	58Ce cerium 140.12	59Pr praseodymium 140.90765	60Nd neodymium 144.24	61Pm promethium 144.91279	62Sm samarium 150.35	63Eu europium 151.965	64Gd gadolinium 157.25	65Tb terbium 158.92534	66Dy dysprosium 162.50	67Ho holmium 164.93032	68Er erbium 167.26	69Tm thulium 168.9342	70Yt ytterbium 173.04
--------------------------------------	---------------------------------	--	------------------------------------	--	-----------------------------------	------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	---------------------------------	------------------------------------	------------------------------------

Actinide Series→

89Ac actinium 227.02779	90Th thorium 232.0381	91Pa protactinium 231.03588	92U uranium 238.0289	93Np neptunium 237.04482	94Pu plutonium 244.06424	95Am americium 243.06139	96Cm curium 247.07038	97Bk berkelium 247.07032	98Cf californium 251.079961	99Es einsteinium 252.083	100Fm fermium 257.09515	101Md mendelevium 258.10	102No nobelium 255.093
--------------------------------------	------------------------------------	--	-----------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	------------------------------------	---------------------------------------	--	---------------------------------------	--------------------------------------	---------------------------------------	-------------------------------------