Periodic Table from infochimps.org

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Akali Mtls	Alkline Earths	-- Transition Metals --						Lanthanides & Actinides		Metals		Metalloids		Nonmetals		Halogens	Noble Gases
Hydrogen 1 1.008 H -259 -253 2.2 .79 (.09) 13.6 .012 gas																	Helium 2 4.003 He -272 -269 – .49 (.18) 24.6 – gas
Lithium 3 6.941 Li 181 1342 1.0 2.1 .53 5.4 .76 bcc	Beryllium 4 9.01 Be 1278 2970 1.6 1.4 1.8 9.3 .35 hex											Boron 5 10.8 B 2300 4002 2.0 1.2 2.3 8.3 .23 rho	Carbon 6 12.0 C 3500 4827 2.6 .91 2.3 11.3 – hex	Nitrogen 7 14.0 N -210 -196 3.0 .75 (1.25) 14.5 .13 gas	Oxygen 8 16.0 O -223 -183 3.4 .65 (1.43) 13.6 1.4 gas	Fluorine 9 19.0 F -220 -188 4.0 .57 (1.7) 17.4 1.3 gas	Neon 10 20.2 Ne -248 -246 – .51 (.9) 21.6 – gas
Sodium 11 23.0 Na 98 883 0.9 2.2 .97 5.1 1.0 bcc	Magnesium 12 24.3 Mg 649 1090 1.3 1.7 1.7 7.6 .72 hex											Aluminum 13 27.0 Al 660 2467 1.6 1.8 2.7 6.0 .54 fcc	Silicon 14 28.1 Si 1410 2355 1.9 1.5 2.3 8.2 .4 fcc	Phosphorus 15 31.0 P 44 280 2.2 1.2 1.8 10.5 .38 cub	Sulfur 16 32.1 S 115 445 2.6 1.1 2.1 10.4 .37 orth	Chlorine 17 35.5 Cl -101 -34 3.2 .97 (3.2) 13.0 1.8 gas	Argon 18 39.9 Ar -189 -186 – .88 (1.8) 15.8 – gas
Potassium 19 39.1 K 63 759 0.8 2.8 .86 4.3 1.4 bcc	Calcium 20 40.1 Ca 839 1484 1.0 2.2 1.55 6.1 .99 fcc	Scandium 21 45.0 Sc 1539 2831 1.4 2.1 3.0 6.5 .75 hex	Titanium 22 47.9 Ti 1660 3287 1.5 2.0 4.5 6.8 .61 hex	Vanadium 23 50.9 V 1902 3409 1.6 1.9 6.1 6.7 .59 bcc	Chromium 24 52.0 Cr 1857 2672 1.7 1.9 7.2 6.8 .52 bcc	Manganese 25 54.9 Mn 1244 1962 1.6 1.8 7.4 7.4 .46 bcc	Iron 26 55.8 Fe 1535 2750 1.8 1.7 7.9 7.9 .65 bcc	Cobalt 27 58.9 Co 1495 2870 1.9 1.7 8.9 7.9 .75 hex	Nickel 28 58.7 Ni 1453 2732 1.9 1.6 8.9 7.6 .69 fcc	Copper 29 63.5 Cu 1085 2567 1.9 1.6 9.0 7.7 .73 fcc	Zinc 30 65.4 Zn 420 907 1.7 1.5 7.1 9.4 .74 hex	Gallium 31 69.7 Ga 30 2403 1.8 1.8 5.9 6.0 .62 orth	Germanium 32 72.6 Ge 937 2830 2.0 1.5 5.3 7.9 .53 fcc	Arsenic 33 74.9 As 808 603 2.2 1.3 5.7 9.8 .58 rho	Selenium 34 79.0 Se 221 685 2.6 1.2 4.8 9.8 .5 hex	Bromine 35 79.9 Br -7 59 3.0 1.1 3.1 11.8 2.0 liq	Krypton 36 83.8 Kr -157 -153 – 1.0 (3.8) 14.0 – gas
Rubidium 37 85.5 Rb 40 688 0.8 3.0 1.6 4.2 1.5 bcc	Strontium 38 87.6 Sr 769 1384 1.0 2.5 2.5 5.7 1.1 fcc	Yttrium 39 88.9 Y 1526 3338 1.2 2.3 4.5 6.4 .9 hex	Zirconium 40 91.2 Zr 1852 4377 1.3 2.2 6.5 6.8 .72 hex	Niobium 41 92.9 Nb 2468 4744 1.6 2.1 8.6 6.9 .69 bcc	Molybdenum 42 95.9 Mo 2617 4612 2.2 2.0 10.2 7.1 .65 bcc	Technetium 43 (98) Tc 2200 4877 1.9 2.0 11.5 7.3 .56 hex	Ruthenium 44 101. Ru 2250 3900 2.2 1.9 12.4 7.4 .68 hex	Rhodium 45 103. Rh 1966 3727 2.3 1.8 12.4 7.5 .68 fcc	Palladium 46 106. Pd 1552 2964 2.2 1.8 12.0 8.3 .86 fcc	Silver 47 108. Ag 961 2163 1.9 1.8 10.5 7.6 1.3 fcc	Cadmium 48 112. Cd 321 765 1.7 1.7 8.7 9.0 .97 hex	Indium 49 115. In 157 2073 1.8 2.0 7.3 5.8 .8 tet	Tin 50 119. Sn 232 2270 2.0 1.7 7.3 7.3 .69 tet	Antimony 51 122. Sb 631 1587 2.1 1.5 6.7 8.6 .76 rho	Tellurium 52 128. Te 450 988 2.1 1.4 6.2 9.0 .97 hex	Iodine 53 127. I 114 185 2.7 1.3 4.9 10.5 2.2 orth	Xenon 54 131. Xe -112 -108 – 1.2 (5.9) 12.1 – gas
Cesium 55 133.0 Cs 29 671 0.8 3.3 1.9 3.9 1.7 bcc	Barium 56 137.0 Ba 729 1898 0.9 2.8 3.6 5.2 1.4 bcc	Lanthanum 57 La	Hafnium 72 178. Hf 2227 4603 1.3 2.2 13.3 6.7 .71 hex	Tantalum 73 181. Ta 2996 5425 1.5 2.1 17.0 7.9 .64 bcc	Tungsten 74 184. W 3407 5655 2.4 2.0 19.0 8.0 .62 bcc	Rhenium 75 186. Re 3180 5627 1.9 2.0 21.0 7.9 .56 hex	Osmium 76 190. Os 3027 5012 2.2 1.9 23.0 8.7 .63 hex	Iridium 77 192. Ir 2443 4428 2.2 1.9 22.0 9.1 .63 fcc	Platinum 78 195. Pt 1772 3827 2.3 1.8 21.0 9.0 .63 fcc	Gold 79 197. Au 1065 2807 2.5 1.8 19.0 9.2 .85 fcc	Mercury 80 201. Hg -39 357 2.0 1.8 13.5 10.4 1.0 liq	Thallium 81 204. Tl 304 1473 2.0 2.1 11.9 6.1 1.5 hex	Lead 82 207. Pb 328 1740 2.3 1.8 11.4 7.4 1.2 fcc	Bismuth 83 209. Bi 272 1564 2.0 1.6 9.8 7.3 1.0 rho	Polonium 84 (209) Po 254 962 2.0 1.5 9.3 8.4 2.3 cub	Astatine 85 (210) At 302 337 2.2 1.4 – 9.7 –	Radon 86 (222) Rn -71 -62 – 1.3 (9.7) 10.7 – gas
Francium 87 (223) Fr 27 677 0.7 – – 3.8 1.8 bcc	Radium 88 226.0 Ra 700 1536 0.9 – 5.5 5.3 1.4 bcc	Actinium 89 Ac	Rutherfordium 104 (261) Rf – – – – –	Dubnium 105 (262) Db – – – – –	Seaborgium 106 (263) Sg – – – – –	Bohrium 107 (262) Bh – – – – –	Hassium 108 (265) Hs – – – – –	Meitnerium 109 266. Mt – – – – –	Ununnilium 110 – Unn – – – – –	Unnunium 111 – Uuu – – – – –	Unnbium 112 – Uub – – – – –		Ununquadium 114 – Uuq – – – – –		Ununhexium 116 – Uuh – – – – –		Ununoctium 118 – Uuo – – – – –

Lanthanum 57 139. La 920 3457 1.1 2.7 6.2 5.6 1.1 hex	Cerium 58 140. Ce 798 3426 1.1 2.7 6.8 5.5 1.0 fcc	Praseodymium 59 141. Pr 931 3512 1.1 2.7 6.8 5.5 1.0 hex	Neodymium 60 144. Nd 1016 3068 1.1 2.6 7.0 5.5 1.0 hex	Promethium 61 145. Pm 931 3512 1.1 2.6 7.3 5.6 .98 hex	Samarium 62 150. Sm 1072 1791 1.2 2.6 7.5 5.6 .96 rho	Europium 63 152. Eu 822 1597 1.2 2.6 5.2 5.7 .95 bcc	Gadolinium 64 157. Gd 1312 3266 1.2 2.5 7.9 6.2 .94 hex	Terbium 65 159. Tb 1357 3023 1.2 2.5 8.2 5.9 .92 hex	Dysprosium 66 163. Dy 1412 2562 1.2 2.5 8.6 5.9 .91 hex	Holmium 67 165. Ho 1470 2695 1.2 2.5 8.8 6.0 .9 hex	Erbium 68 167. Er 1522 2863 1.2 2.5 9.1 6.1 .88 hex	Thulium 69 169. Tm 1545 1947 1.3 2.4 9.3 6.2 .87 hex	Ytterbium 70 173. Yb 824 1194 1.1 2.4 6.9 6.3 .86 fcc	Lutetium 71 175. Lu 1663 3395 1.3 2.3 9.8 5.4 .85 hex
Actinium 89 227. Ac 1050 3200 1.1 – 10.1 5.2 1.1 fcc	Thorium 90 232. Th 1755 4788 1.3 – 11.7 6.1 .97 fcc	Protactinium 91 231. Pa 1600 4027 1.5 – 15.4 5.9 .78 orth	Uranium 92 238. U 1132 4134 1.4 – 19.0 6.1 .52 orth	Neptunium 93 237. Np 640 3902 1.4 – 20.0 6.2 .75 orth	Plutonium 94 (244) Pu 640 3230 1.3 – 20.0 6.1 .89 mno	Americium 95 (243) Am 994 2607 1.3 – 13.7 6.0 .98 hex	Curium 96 (247) Cm 1067 3110 1.3 – 13.5 6.0 .97 hex	Berkelium 97 (247) Bk 986 – 1.3 – 14.8 6.2 .95 hex	Californium 98 (251) Cf 900 – 1.3 – 15.1 6.3 .93 hex	Einsteinium 99 (252) Es 860 – 1.3 – – 6.4 – hex	Fermium 100 (257) Fm 1527 – 1.3 – – 6.5 – –	Mendelevium 101 (258) Md 827 – 1.3 – – 6.6 – –	Nobelium 102 (259) No 827 – 1.3 – – 6.7 – –	Lawrencium 103 (262) Lr 1627 – – – – – – –

Atomic Number (# protons)
Symbol; Color shows phase:
Gas Liquid Solid Synthetic
Electronegativity (Pauling)
First Ionization Potential, eV

Element
Num Wt
Sym Melt
e- Arad Dens
eV Irad Str

Atomic Weight, g/mol; () = comm. Isotope
Melting Point, °C, 1 atm
Boiling Point, °C, 1 atm
Density; solids: g/cc, (gases): (g/L)
Most common crystal structure

Atomic Radius, Å (10-10 m)
Ionic Radius, Å (10-10 m)