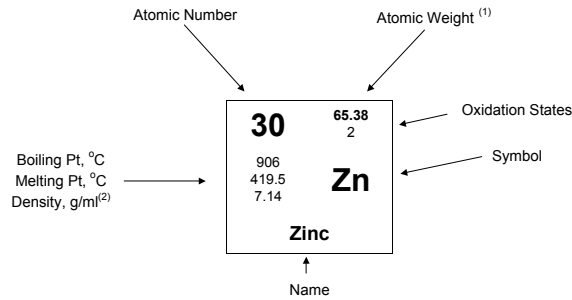


PERIODIC TABLE OF THE ELEMENTS

IA		IIA		III A - VIII										IIIA		IVA		VA		VIA		VIIA		VIIIA																																																								
1 1.0079 -252.7 -259.2 0.071 H Hydrogen		3 6.939 1330 180.5 0.53 Li Lithium	4 9.0122 2770 1277 1.85 Be Beryllium	11 22.9898 892 97.8 0.97 Na Sodium	12 24.312 1107 650 1.74 Mg Magnesium	19 39.098 760 63.7 0.86 K Potassium	20 40.08 1440 838 1.55 Ca Calcium	21 44.956 2730 1569 3.0 Sc Scandium	22 47.90 3260 1668 4.51 Ti Titanium	23 50.942 3450 1900 6.1 V Vanadium	24 51.996 2665 1875 7.19 Cr Chromium	25 54.938 2150 1245 7.43 Mn Manganese	26 55.847 3000 1536 7.86 Fe Iron	27 58.933 2900 1495 8.9 Co Cobalt	28 58.71 2730 1453 8.9 Ni Nickel	29 63.54 2595 1083 8.96 Cu Copper	30 65.38 906 419.5 7.14 Zn Zinc	31 69.72 2237 29.8 5.91 Ga Gallium	32 72.59 2830 937.4 5.32 Ge Germanium	33 74.922 613 817 5.72 As Arsenic	34 78.96 685 217 4.79 Se Selenium	35 79.909 58 -7.2 3.12 Br Bromine	36 83.8 -152 -157.3 2.6 Kr Krypton	5 10.811 - (2030) 2.34 B Boron	6 12.01115 4830 3727 2.26 C Carbon	7 14.0067 -195.8 -210 0.81 N Nitrogen	8 15.9994 -183 -218.8 1.14 O Oxygen	9 18.9984 -188.2 -219.6 1.505 F Fluorine	10 20.183 -246 -248.6 1.20 Ne Neon	13 26.9815 2450 660 2.70 Al Aluminum	14 28.086 2680 1410 2.33 Si Silicon	15 30.9738 280 44.2 1.82 P Phosphorus	16 32.064 444.6 119.0 2.07 S Sulphur	17 35.453 -34.7 -101.0 1.56 Cl Chlorine	18 39.984 -185.8 -189.4 1.4 Ar Argon	53 126.904 1380 630.5 6.62 Sb Antimony	52 127.60 989.8 449.5 6.24 Te Tellurium	51 121.75 1380 630.5 6.62 Sb Antimony	54 131.30 -108.0 -111.9 3.06 Xe Xenon	55 132.9054 690 28.7 1.90 Cs Cesium	56 137.34 1640 714 3.5 Ba Barium	57 138.91 3470 920 6.17 La* Lanthanum	72 178.49 5400 2222 13.1 Hf Hafnium	73 180.948 5425 2996 16.6 Ta Tantalum	74 183.85 5930 3410 19.3 W Wolfram	75 186.2 5900 3180 21.0 Re Rhenium	76 190.2 5500 3000 22.6 Os Osmium	77 192.2 5300 2454 22.5 Ir Iridium	78 195.09 4530 1769 21.4 Pt Platinum	79 196.967 2970 1063 19.3 Au Gold	80 200.59 357 -38.4 13.6 Hg Mercury	81 204.37 1457 303 11.85 Tl Thallium	82 207.19 1725 327.4 11.4 Pb Lead	83 208.980 1560 271.3 9.8 Bi Bismuth	84 (210) 254 (9.2) Po Polonium	85 (210) - (302) - At Astatine	86 (222) - (-61.8) - (-71) - Rn Radon	37 85.47 688 38.9 1.53 Rb Rubidium	38 87.62 1380 768 2.6 Sr Rubidium	39 88.905 2927 1509 4.47 Y Yttrium	40 91.22 3580 1852 6.49 Zr Zirconium	41 92.906 3300 2468 8.4 Nb Niobium	42 95.94 5560 2610 10.2 Mo Molybdenum	43 (98) 2140 11.5 Tc Technetium	44 101.07 4900 2500 12.2 Ru Ruthenium	45 102.905 4500 1966 12.4 Rh Rhodium	46 106.4 3980 1552 12.0 Pd Palladium	47 107.870 2210 960.8 10.5 Ag Silver	48 112.40 765 320.9 8.65 Cd Cadmium	49 114.82 2000 156.2 7.31 In Indium	50 118.68 2270 231.9 7.30 Sn Tin	51 121.75 1380 630.5 6.62 Sb Antimony	52 127.60 989.8 449.5 6.24 Te Tellurium	53 126.904 183 113.7 4.94 I Iodine	54 131.30 -108.0 -111.9 3.06 Xe Xenon	87 (223) - (27) - Fr Francium	88 (226) 700 5.0 Ra Radium	89 (227) - - Ac** Actinium	104 - - (Rf) (Rutherfordium / Kurchatovium)	105 - - Ha Hahnium

KEY



NOTES

(1) Atomic weights are 1971 values . Parentheses indicates most stable or best known isotope

(2) Density values for gaseous elements are for liquids at the boiling point

58 140.12 3468 795 6.67 3.4 Ce* Cerium	59 140.907 3127 935 6.67 3.4 Pr Praseodymium	60 144.24 3027 1024 7.00 3 Nd Neodymium	61 (147) - (1027) - 3 Pm Promethium	62 105.35 1900 1072 7.54 3.2 Sm Samarium	63 151.96 1439 826 5.26 3.2 Eu Europium	64 157.25 3000 1312 7.89 3 Gd Gadolinium	65 158.924 2800 1356 8.27 3.4 Tb Terbium	66 162.50 2600 1407 8.54 3 Dy Dysprosium	67 164.930 2600 1461 8.80 3 Ho Holmium	68 167.26 2900 1497 9.05 3 Er Erbium	69 168.934 1727 1545 9.33 3.2 Tm Thullium	70 173.04 1427 824 6.98 3.2 Yb Ytterbium	71 174.97 3327 1652 9.84 3 Lu Lutetium	90 232.038 3850 1750 11.7 4 Th** Thorium	91 (231) - (1230) 15.4 5.4 Pa Protactinium	92 238.03 3818 1132 19.07 6.5,4,3 U Uranium	93 (237) - 637 19.5 6.5,4,3 Np Neptunium	94 (242) 3235 640 - 6.5,4,3 Pu Plutonium	95 (243) - - 11.7 6.5,4,3 Am Americium	96 (247) - - 3 Cm Curium	97 (247) - - 4.3 Bk Berkelium	98 (249) - - 3 Cf Californium	99 (254) - - - Es Einsteinium	100 (253) - - - Fm Fermium	101 (256) - - - Md Mendelevium	102 (254) - - - No Nobelium	103 (257) - - - Lw Lawrencium
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