PERIODIC CHART OF ELEMENTS

IA	IIA	IIIB	IVB	VB	VIB	VIIB	----- ---VIII--- -----	IB	IIB	IIIA	IVA	VA	VIA	VIIIA	INERT GASES
1 **H** 1.0079															2 **He** 4.0026
3 **Li** 6.9410	4 **Be** 9.0122									6 **B** 10.81	7 **C** 12.011	8 **N** 14.0067	9 **O** 15.9994	10 **F** 18.9984	11 **Ne** 20.179
11 **Na** 22.9898	12 **Mg** 24.3050									13 **Al** 26.9815	14 **Si** 28.0855	15 **p** 30.9738	16 **S** 32.06	17 **Cl** 35.453	18 **Ar** 39.948
19 **K** 39.0983	20 **Ca** 40.08	21 **Sc** 44.9559	22 **Ti** 47.88	23 **V** 50.9415	24 **Cr** 51.996	25 **Mn** 54.938	26 **Fe** 55.847	27 **Co** 58.9332	28 **Ni** 58.69	29 **Cu** 53.546	30 **Zn** 65.38	31 **Ga** 69.12	32 **Ge** 72.59	33 **As** 74.9216	34 **Se** 78.96	35 **Br** 79.904	36 **Kr** 83.80
37 **Rb** 85.4678	38 **Sr** 87.62	39 **Y** 88.9059	40 **Zr** 91.22	41 **Nb** 92.9064	42 **Mo** 95.94	43 **Tc** (98)	44 **Ru** 101.07	45 **Rh** 102.9055	46 **Pd** 106.42	47 **Ag** 107.868	48 **Cd** 112.41	49 **In** 114.82	50 **Sn** 118.69	51 **Sb** 121.75	52 **Te** 127.60	53 **I** 126.9045	54 **Xe** 131.29
55 **Cs** 132.9054	56 **Ba** 137.33	57 ***La** 138.9055	72 **Hf** 178.49	73 **Ta** 180.9479	74 **W** 183.85	75 **Re** 186.207	76 **Os** 190.2	77 **Ir** 192.22	78 **Pt** 195.08	79 **Au** 196.9665	80 **Hg** 200.59	81 **Tl** 204.383	82 **Pb** 207.20	83 **Bi** 208.9804	84 **Po** (209)	85 **At** (210)	86 **Rn** (222)
87 **Fr** (223)	88 **Ra** 226.0254	89 **#Ac** 227.0278															

( ) Numbers in parentheses are mass numbers of most stable or most common isotope

Atomic weights are corrected to conform to the 1979 values IUPAC

* LANTHANUM SERIES													
58 **Ce** 140.12	59 **Pr** 140.9077	60 **Nd** 144.24	61 **Pm** (145)	62 **Sm** 150.36	63 **Eu** 151.96	64 **Gd** 157.25	65 **Tb** 158.9254	66 **Dy** 162.50	67 **Ho** 164.9304	68 **Er** 167.26	69 **Tm** 168.9342	70 **Yb** 173.04	71 **Lu** 174.967

# ACTINUM SERIES													
90 **Th** 232.0381	91 **Pa** 231.0359	92 **U** 238.0389	93 **Np** 237.0482	94 **Pu** (244)	95 **Am** (243)	96 **Cm** (247)	97 **Bk** (247)	98 **Cf** (251)	99 **Es** (252)	100 **Fm** (257)	101 **Md** (258)	102 **No** (259)	103 **Lr** (260)