GEOCHEMICAL PERIODIC TABLE

1 +1 **H** 1.01 *1400*																2 **He** 4.003
3 +1 **Li** 6.94 *20*	4 +2 **Be** 9.01 *3*	Atomic number			29 +2+1 0 **Cu** 63.55 *55*	Normal charge(s) Atomic weight Crustal abundance (ppm)			5 +3 **B** 10.81 *10*	6 +4 **C** 12.01 *200*	7 +5 +3 -3 **N** 14.01 *20*	8 -2 **O** 16.00 *464,000*	9 -1 **F** 19.00 *625*	10 0 **Ne** 20.18
11 +1 **Na** 22.99 *24,000*	12 +2 **Mg** 24.31 *23,000*					(from Krauskopf, 1967; p. 635)			13 +3 **Al** 26.98 *82,000*	14 +4 **Si** 28.09 *282,000*	15 +5+3 **P** 30.97 *1050*	16 +6+4+3 0 -1-2 **S** 32.06 *260*	17 -1 **Cl** 35.45 *130*	18 0 **Ar** 39.95
19 +1 **K** 39.10 *21,000*	20 +2 **Ca** 40.08 *41,000*	21 +3 **Sc** 44.96 *22*	22 +4+3 **Ti** 47.90 *5700*	23 +5+4+3 **V** 50.94 *135*	24 +6+3 **Cr** 52.00 *100*	25 +4+3+2 **Mn** 54.94 *950*	26 +3+2 0 **Fe** 55.85 *56,000*	27 +2 0 **Co** 58.93 *25*	28 +2 0 **Ni** 58.71 *75*	29 +2+1 0 **Cu** 63.55 *55*	30 +2 **Zn** 65.37 *70*	31 +3 **Ga** 69.72 *15*	32 +4 **Ge** 72.59 *1.5*	33 +5+3 0 -1 **As** 74.92 *1.8*	34 +6-2 0 **Se** 78.96 *0.05*	35 -1 **Br** 79.90 *2.5*	36 0 **Kr** 83.80
37 +1 **Rb** 85.47 *90*	38 +2 **Sr** 87.62 *375*	39 +3 **Y** 88.91 *33*	40 +4 **Zr** 91.22 *165*	41 +5+4+3 +2 **Nb** 92.91 *20*	42 +6+4 **Mo** 95.94 *1.5*	43 **Tc** 96.91	44 0 **Ru** 101.07 *<0.05*	45 0 **Rh** 102.91 *<0.05*	46 +2 0 **Pd** 106.40 *<0.05*	47 +1 0 **Ag** 107.87 *0.07*	48 +2 **Cd** 112.40 *0.2*	49 +3 **In** 114.82 *0.1*	50 +4+2 0 **Sn** 118.69 *2*	51 +5+3 0 **Sb** 121.75 *0.2*	52 +6-2 0 **Te** 127.60 *<0.05*	53 -1 **I** 126.90 *0.5*	54 0 **Xe** 131.30
55 +1 **Cs** 132.91 *3*	56 +2 **Ba** 137.34 *425*	57 +3 **La** 138.91 *25*	72 +4 **Hf** 178.49 *3*	73 +5+4+3 **Ta** 180.95 *425*	74 +6 **W** 183.85 *1.5*	75 +7+4 **Re** 186.20 *<0.05*	76 0 **Os** 190.20 *<0.05*	77 0 **Ir** 192.20 *<0.05*	78 +2 0 **Pt** 195.09 *<0.05*	79 +1 0 **Au** 196.97 <0.05	80 +2 0 **Hg** 200.59 *0.08*	81 3+1 **Tl** 204.37 *0.5*	82 +2 0 **Pb** 207.19 *1.3*	83 +3 0 **Bi** 208.98 *0.2*			

Lanthanides	58 +3 **Ce** 140.12 *67*	59 **Pr** 140.91 *6.5*	60 **Nd** 144.24 *28*	61 **Pm** (145)	62 **Sm** 150.35 *7.3*	63 **Eu** 151.96 *1.2*	64 **Gd** 157.25 *7.3*	65 **Tb** 158.92 *1.1*	66 **Dy** 162.50 *5.2*	67 +3 **Ho** 164.93 *1.5*	68 +3 **Er** 167.26 *3*	69 **Tm** 168.93 *0.3*	70 **Yb** 173.04 *3*	71 +3 **Lu** 174.97 *0.8*
Actinides	90 +4 **Th** 232.04 *9.6*	91 **Pa** 231.04	92 +6+4 **U** 238.03 *2.7*	93 **Np** 237.05										