

Nonmetal

# Naming Compounds

NONMETALS – anions:  
GAIN electrons (- charge)  
Charge on the Nonmetal =  
group # - noble gas configuration (8)

METALS – cations: LOSE electrons (+ charge)

**Green – FIXED charge Metals:** GO, just name it using appropriate suffixes; Charge = Group #

**Red – VARIABLE charge Metals:** STOP, break apart and find the Charge on the Metal (Roman Numeral)

1A	1	2A	3A	4A	5A	6A	7A	8A										
1	H 1.00797	2	3	4	5	6	7	8										
2	Li 6.939	Be 9.0122	B 10.811	C 12.01115	N 14.0067	O 15.9994	F 18.9984	Ne 20.183										
3	Na 22.9898	Mg 24.312	Al 26.9815	Si 28.086	P 30.9738	S 32.064	Cl 35.453	Ar 39.948										
4	K 39.102	Ca 40.08	Sc 44.958	Ti 47.90	V 50.942	Cr 51.996	Mn 54.938	Fe 55.847	Co 58.933	Ni 58.71	Cu 63.54	Zn 65.37	Ga 69.72	Ge 72.59	As 74.922	Se 78.96	Br 79.909	Kr 83.80
5	Rb 85.47	Sr 87.62	Y 88.905	Zr 91.22	Nb 92.906	Mo 95.94	Tc [98]	Ru 101.07	Rh 102.905	Pd 106.4	Ag 107.87	Cd 112.40	In 114.82	Sn 118.69	Sb 121.75	Te 127.60	I 126.904	Xe 131.30
6	Cs 132.905	Ba 137.34	57-71	Hf 178.49	Ta 180.948	W 183.85	Re 186.2	Os 190.2	Ir 192.2	Pt 195.09	Au 196.967	Hg 200.59	Tl 204.37	Pb 207.19	Bi 208.98	Po [210]	At [210]	Rn [222]
7	Fr [223]	Ra [226]	89-103	Rf [261]	Db [262]	Sg [263]	Bh [262]	Hs [265]	Mt [266]	Uun [269]	Uuu [272]	Uub [277]						

Eastfield College  
Chemistry

57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
La 138.91	Ce 140.12	Pr 140.907	Nd 144.24	Pm [147]	Sm 150.35	Eu 151.96	Gd 157.25	Tb 158.924	Dy 162.50	Ho 164.930	Er 167.26	Tm 168.934	Yb 173.04	Lu 174.97
89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
Ac [227]	Th 232.038	Pa [231]	U 238.03	Np [237]	Pu [242]	Am [243]	Cm [247]	Bk [247]	Cf [249]	Es [254]	Fm [253]	Md [256]	No [254]	Lr [257]