MOLECULAR COMPOUND PREFIXES	
Number	**Prefix**
1	mono-
2	di-
3	tri-
4	tetra-
5	penta-
6	hexa-
7	hepta-
8	octa-
9	nona-
10	deca-

HYDROCARBON PREFIXES C_nH_{2n+2}	
Number of Carbons	**Prefix**
1	meth-
2	eth-
3	prop-
4	but-
5	pent-
6	hex-
7	hept-
8	oct-
9	non-
10	dec-

ACID NOMENCLATURE	
Acid Name	**Anion Ending**
hydro- *element root* -ic acid	-ide
element root -ic acid	-ate
element root -ous acid	-ite

POLYATOMIC IONS

-1 Charge	
Formula	**Name**
$C_2H_3O_2^{1-}$	acetate
ClO^{1-}	hypochlorite
ClO_2^{1-}	chlorite
ClO_3^{1-}	chlorate
ClO_4^{1-}	perchlorate
* CN^{1-}	* cyanide
SCN^{1-}	thiocyanate
HCO_3^{1-}	hydrogen carbonate
NO_2^{1-}	nitrite
NO_3^{1-}	nitrate
* OH^{1-}	* hydroxide
MnO_4^{1-}	permanganate

-2 Charge	
Formula	**Name**
SO_3^{2-}	sulfite
SO_4^{2-}	sulfate
CO_3^{2-}	carbonate
CrO_4^{2-}	chromate
$Cr_2O_7^{2-}$	dichromate
$C_2O_4^{2-}$	oxalate

-3 Charge	
Formula	**Name**
PO_4^{3-}	phosphate

+1 Charge	
Formula	**Name**
* NH_4^{1+}	* ammonium

** denotes a polyatomic ion that does not have the suffix "-ate" or "-ite"*

CONVERSION TYPE	MOLE CONVERSION FACTOR
Moles X ↔ Grams X	1 mol X = # grams X
Moles X ↔ Particles X	1 mol X = 6.02×10^{23} particles X

Revised 08/2021