

Three Types of Compounds

1) Main Group metal + nonmetal

No variable charge or Greek prefixes

Al_2O_3	aluminum oxide
Na_2SO_4	sodium sulfate
NaCl	sodium chloride

2) Transition metal + nonmetal

Watch variable charge!

Fe_2O_3	iron(III) oxide
FeO	iron(II) oxide
Fe_2O_5	iron(V) oxide
CuNO_3	copper(I) nitrate

3) Nonmetal + nonmetal (covalent)

Use Greek di-, tri-, etc.

Least electronegative (i.e. more metallic) named first

Least electronegative does not need "mono"

P_2O_3	diphosphorus trioxide
P_2O_5	diphosphorus pentaoxide
S_2Cl_{10}	disulfur decachloride
OF_2	oxygen difluoride
NO	nitrogen monoxide
NO_2	nitrogen dioxide
N_2O	dinitrogen monoxide