

NAMING BINARY MOLECULAR COMPOUNDS

Binary Molecular Compounds:

- Compounds between two nonmetals
- First element in the formula is named first.
 - o Keeps its element name.
 - o Gets a prefix if there is a subscript on it.
- Second element is named second.
 - o Use the root of the element name plus the -ide suffix.
 - o Always use a prefix on the second element.

List of Prefixes:

- Mon(o)
- Di
- Tri
- Tetra
- Penta
- Hexa
- Hepta
- Octa
- Nona
- Deka

Naming Binary Compounds:

- P_2O_5 : Diphosphorus Pentoxide
- CO_2 : Carbon Dioxide
- CO : Carbon Monoxide
- N_2O : Dinitrogen monoxide

Practice Writing the Formula:

Compound Name	Compound Formula
Carbon Dioxide	CO_2
Carbon Monoxide	CO
Diphosphorus Pentoxide	P_2O_5
Silicon dioxide	SiO_2
Carbon Tetrabromide	CBr_4
Sulfur Dioxide	SO_2
Phosphorus Pentabromide	PBr_5
Iodine Trichloride	ICl_3
Nitrogen Triiodide	NI_3
Dinitrogen Trioxide	N_2O_3