

Binary Molecular Nomenclature

Rules for Binary Molecular Compounds	Prefixes
<ol style="list-style-type: none"> 1. The naming system is for compounds composed of two <u>nonmetallic</u> elements. 2. The first element keeps its name <ol style="list-style-type: none"> a. The first element gets a prefix if it has a subscript in the formula 3. The second element gets the <i>-ide</i> suffix (ending) <ol style="list-style-type: none"> a. The second element ALWAYS gets a prefix 	1 – mono 2 – di 3 – tri 4 – tetra 5 – penta 6 – hexa

Compound Name	Compound Formula
Carbon dioxide	
Carbon monoxide	
Diphosphorus pentoxide	
Dinitrogen monoxide	
Silicon dioxide	
Carbon tetrabromide	
Sulfur dioxide	
Phosphorus pentabromide	
Iodine trichloride	
Nitrogen triiodide	
Dinitrogen trioxide	

Compound Formula	Compound Name
N ₂ O ₄	
SO ₃	
NO	
NO ₂	
As ₂ O ₅	
PCl ₃	
CCl ₄	
H ₂ O	
SeF ₆	