

Type III - Inorganic Covalent Nomenclature

no metals, only non-metals
share e^- , no charges
No criss-crossing

- Names - use prefixes to tell the # atoms of each element in the compound

not used for 1st element	*1	mono-	6	hexa-
	2	di-	7	hepta-
	3	tri-	8	octa-
	4	tetra-	9	nona-
	5	penta-	10	deca-

- Change subscript to a prefix, then name of the element
- Do the same for the 2nd element, change ending to -ide

(ex) H_2O dihydrogen monoxide

BrO_3 bromine trioxide

P_2O_3 diphosphorous trioxide

XeF_4 xenon tetrafluoride

ICl_7 Iodine heptochloride

C_4H_8 Tetracarbon octahydride

Formulas - No Criss-Crossing!

- Write the symbol for 1st element, change prefix to a subscript
- Do the same for the 2nd element

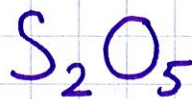
Ex) tetraphosphorus decasulfide



nitrogen triiodide



disulfur pentoxide



xenon octabromide



carbon monoxide

