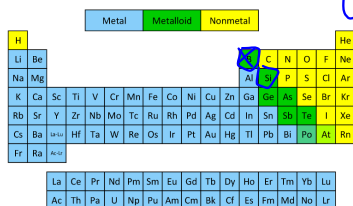


Covalent Compounds:

- electrons are shared NOT transferred
- between 2 nonmetals

↓ NO CHARGES



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Naming Covalent Compounds:

- use prefixes to correspond with the subscripts
- never put mono on first element
- second element ending changes to --ide

example: CO₂

carbon dioxide

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

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Practice:

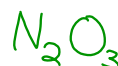
1. P₄O₁₀ tetraphosphorous decaoxide
2. N₂O₅ dinitrogen pentoxide
3. B₂H₄ Diboron tetrahydride — hydroxide OH⁻
4. CO Carbon monoxide

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Writing Covalent Compounds:

- use the prefixes to tell you what the subscript is
- remember mono isn't used on the first element

example: dinitrogen trioxide



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

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Practice:

5. phosphorus trichloride PCl_3
6. sulfur pentoxide SO_5
7. diphosphorus pentasulfide P_2S_5
8. dihydrogen monoxide H_2O

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