

## Type III Covalent Nomenclature

Naming - use prefixes to tell the # of atoms of each element

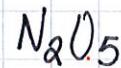
### Prefixes

1 - mono	* only the 2nd element	5 - penta	9 - nona
2 - di		6 - hexa	10 - deca
3 - tri		7 - hepta	
4 - tetra		8 - octa	

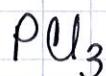
- Write the prefix & name for the 1<sup>st</sup> element
- Do the same for the 2<sup>nd</sup> element, change ending to ide



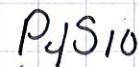
dihydrogen monoxide



dinitrogen pentoxide



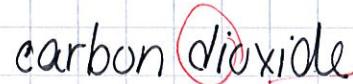
phosphorous trichloride



tetraphosphorous decasulfide

### Formulas

- write the symbol for 1<sup>st</sup> element and the change the prefix to a subscript
- Do the same for the 2<sup>nd</sup> element  
**Do NOT criss-cross!**



sulfur trioxide

dichlorine tetrabromide

