

Naming Binary Molecular Compounds (Contain two *nonmetals*)

1. Name the first element (element name)
2. Change the second element to -ide ending (usually more electronegative)
3. Use prefixes to indicate number of each type of atom

Prefixes

1	mono-
2	di-
3	tri-
4	tetra-
5	penta-

6	hexa-
7	hepta-
8	octa-
9	nona-
10	deca-

***Don't use mono- for the *first* element**

****Drop "a" or "o" in prefix if used before oxygen**

Practice

From HW: Naming Molecular Compounds



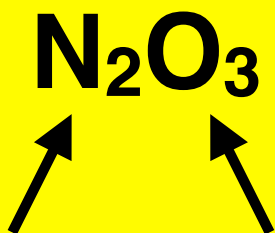
To be completed in class!
(This will be a HW assignment, so you
can start it on a separate page)

Common Names

	Name	Common Name
H₂O	dihydrogen monoxide	water
NH₃	nitrogen trihydride	ammonia

Covalent or Ionic?

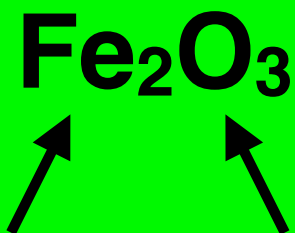
Covalent



nonmetal **nonmetal**

- Name first element, change second element to -ide
- Use prefixes

Ionic



metal **nonmetal**

- Name using common ions list
- Must balance charges
- No prefixes