

Naming Compounds

2 general kinds compounds

① Covalent Compounds
(Only nonmetals)

→ Both elements are on right of staircase.

Rule: Use Greek prefixes to indicate the number of each kind of element.



disulphur tetrachloride



triarsenic pentaastatide

'ide' only on second element

② Ionic Compounds
(Metal + Nonmetal)

(First element is to left of staircase, second element is to right).

Type 1 Ionic Compound

Type 2 Ionic Compound

See next page

Rule: Write name of metal, then name of nonmetal. Change the nonmetal ending to 'ide'.

Type 1 Ionic Compounds

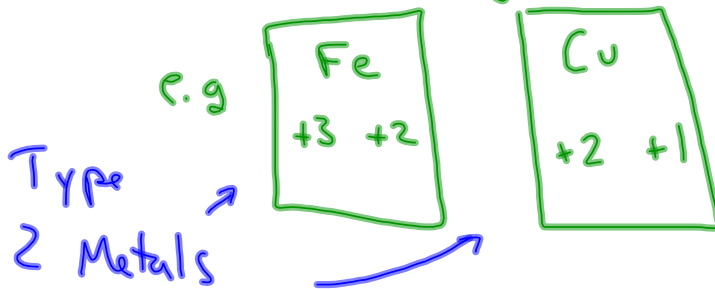


(subscripts don't matter for naming)

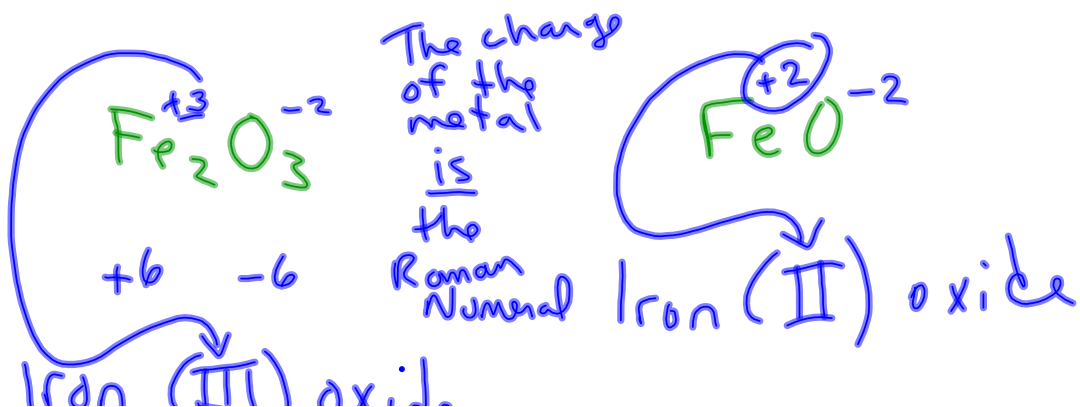
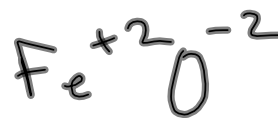
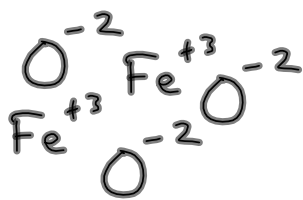


Naming Type 2 Ionic Compounds

→ Start with a metal that has 2 different charges in its box.

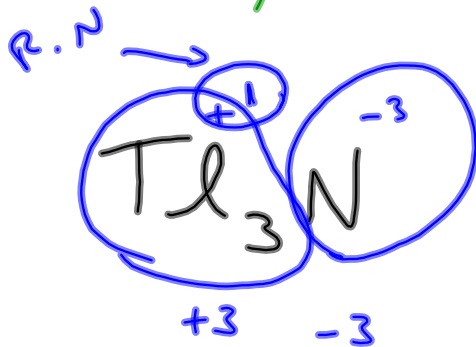


Rule: Determine which metal charge is in the compound, then use a Roman numeral in the name to show this charge.

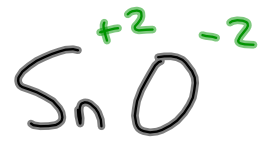




tin (IV) oxide



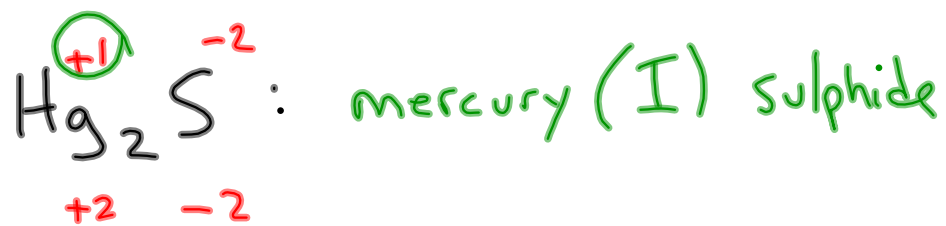
Thallium (I) nitride

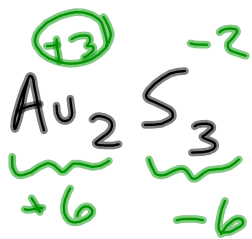


tin (II) oxide

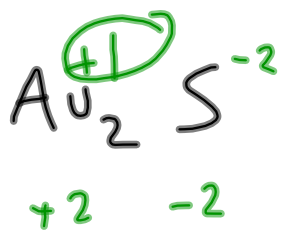


Thallium (III) nitride

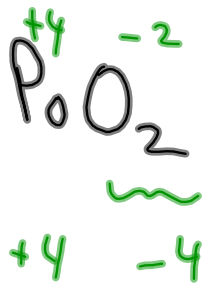




Gold (III) sulphide



Gold (I) sulphide



Polonium (IV) oxide