Covalent Compounds Formula to Name

Binary Covalent Compounds

Definition

Covalent bond atoms share electrons

Binary Covalent Compound

compound made from two non-metals that share electrons



Identifying & Naming Binary Covalent

- These compounds have:
 - 2 elements ("binary")
 - Both non-metals ("covalent")
- To name these compounds:
 - Write the name of the first element with the prefix indicating the number of atoms (except don't use "mono-")
 - Write the name of the second element with the prefix indicating the number of atoms (including "mono-") and the suffix "ide"





















Covalent Compounds Name to Formula

Identifying & Naming Binary Covalent

- These compounds:
 - Use covalent prefixes
- To write these formulas:
 - Write the symbols of the first and second element
 - Use the covalent prefixes (assume the first element is "1" if there's no prefix) as the subscripts to show number of atoms.

Atoms do not form charges when bonding covalently...you DO NOT need to worry about charges with this type!











