Lesson 65: Naming Compounds Notes

Chemistry with Lab

Binary Ionic Compounds

- Consist of only _____ elements.
- Name the _____ ion (the _____).
- Name the _____ ion (the _____), changing the ending to _____.
- When metals that can form _____ than one type of _____ are in a compound, use a _____ _____ in parentheses after the name of the _____ to show the _____.

Examples: NaCl _____ MgO _____

Cu_2S _____ $SnCl_4$ _____

Ternary Ionic Compounds

- Made up of _____ elements.
- Name the _____ then name the _____ _____ without changing the ending to "ide."

Examples: Na_2SO_4 _____

$FeCrO_4$ _____

Naming Molecular Compounds

- The elements are named in the _____ they appear in the _____.

Lesson 65: Naming Compounds Notes (cont.) Chemistry with Lab

- _____ are used to denote the _____ of atoms of each _____ in the molecule. An exception is that the _____ element named is given a _____ only if there is more than _____ atom of that element in the _____.
- The "o" or "a" at the _____ of a _____ is _____ when the word following the _____ begins with a _____.
- The _____ element's ending is changed to _____.

Examples: ICl_3 _____

As_2O_5 _____

Naming Hydrocarbons

Alkane: C_2H_{2n+2} Alkene: C_nH_{2n}

Examples: C_4H_{10} _____

C_2H_4 _____

The Chemistry Quiz

CR1. _____ CR2. _____ 1. _____ 2. _____ 3. _____

4. _____ 5. _____