

SC2. E. I can ask questions about chemical names to identify patterns in IUPAC nomenclature in order to predict chemical names for ionic, acidic, and inorganic covalent compounds.

Naming Chemical Compounds Bozeman Video Notes



1. What does the 'rule of thumb' show on the periodic table? _____

2. Two or more nonmetals together is a _____. A metal and a nonmetal together is an _____

3. When naming chemical compounds you go from the smallest _____ number to the larger _____ number. Then you go from the largest _____ to the smallest _____. This is why Sulfur goes before Oxygen when naming SO_2

4. Name the following covalent compounds (make sure to use prefixes and suffixes when needed):

CO_2 _____ P_3N_4 _____ CH_4 _____

Naming Ionic Compounds

Rule 1: Name = (_____) (_____)

Rule 2: _____ numerals if a metal has more than one _____.

Li_2O = _____ $(\text{NH}_4)_3\text{P}$ = _____ $\text{Cu}(\text{NO}_3)_2$ _____

$\text{Ni}_2(\text{SO}_3)_3$ _____

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