

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 _____. 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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