

Lab: Formula Writing/Naming
Compounds—Datasheet

Name _____

Part 1: Binary Compounds

Binary ionic compounds are composed of _____ ions, a metal and a _____. When writing the formula, the positive ion, or _____'s symbol is written first, and the negative ion, or _____'s symbol is written last. When naming the binary ionic compound, the _____ is named first, the _____ is named last, with the ending changed to _____.

Instructions: Roll the die with **red** writing and the die with **blue** writing. Fill in the following chart.

Symbol of cation	Charge of cation	Symbol of anion	Charge of anion	Compound Formula	Compound Name

Part 2: Ternary Compounds

Ternary ionic compounds always contain a _____ ion. When writing the formula, the positive ion, or _____'s symbol is written first, and the negative ion, or _____'s symbol is written last. When naming the ternary ionic compound, the _____ is named first and the _____ is named last.

Instructions: Roll the die with **red** writing and the die with **green** writing. Fill in the following chart.

Symbol of cation	Charge of cation	Symbol of anion	Charge of anion	Compound Formula	Compound Name