**How Do I Name This Compound?**

Is the first element in the formula a metal?

YES

NO

Ionic → write name of metal first

Covalent → write the name of the first element with prefix **only** if there is more than one of it (ie 2 = di-, 3 = tri-, etc)

Is the metal a multivalent element (ie can have more than one charge?)

YES

After the name of the metal, write the Roman numeral for the intended charge in round brackets (you will have to check charge balance!)

NO

No Roman numerals

Is there only one other element following the first?

YES

NO

Give the second element the “-ide” ending and write it at the end

Polyatomic ion → check your reference table

Write the second element with the appropriate prefixes **regardless** of if there are one or multiple atoms of this element in the compound. Drop the ending of the second element and replace with “-ide” just like you would for ionic compounds