

CONCEPT: WRITING IONIC COMPOUNDS

Rules for Writing Ionic Compounds

STEP 1: Write the ions involved in the compound from the provided name.

STEP 2: Use these ions to write the formula of the ionic compound.

- ☐ When numbers in charges are the same they _____ to combine the elements.

Aluminum Nitride: Al^{3+} N^{3-} \longrightarrow _____

- ☐ When numbers in charges are different they _____ to combine the elements.

Barium Phosphate: Ba^{2+} PO_4^{3-} \longrightarrow _____

EXAMPLE: Provide the molecular formula for the following compound: Magnesium sulfate

PRACTICE: Provide the molecular formula for the following compound: Copper (I) nitrate

PRACTICE: Provide the molecular formula for the following compound: Sodium dichromate