CONCEPT: N	AMING IONIC C	<u>OMPOUNDS</u>					
• Recall, ionic compounds contain a positive ion called a connected to a negative ion called a							
□ Cation: Represented by a metal or the polyatomic ion:							n.
□ Anion: Represented by a nonmetal or polyatomic anion.							
Rules for Naming Ionic Compounds							
STEP 0: The ionic compound is always written +							
STEP 1: Cation: The metal always keeps its name and is written first.							
□ If the metal possesses charge(s) we must use a Roman Numeral to describe its positive charge.							
□ If the metal possesses charge(s) then we don't have to worry about a Roman Numeral.							
STEP 2: Anion: If a nonmetal is used it keeps its base name but has its ending changed to							
□ Recall, the <i>Base Name</i> is the beginning of the nonmetal's name that is unchanged.							
Nonmetal	Base Name	Nonmetal	Base Name	Nonmetal	Base Name	Nonmetal	Base Name
Hydrogen (H)		Nitrogen (N)		Oxygen (O)		Fluorine (F)	
Boron (B)		Phosphorus (P)		Sulfur (S)		Chlorine (CI)	
Carbon (C)				Selenium (Se)		Bromine (Br)	
Silicon (Si)				Tellurium (Te)		lodine (I)	

STEP 3: Polyatomic Ion: If a polyatomic ion is present, it *always* keeps its name.

EXAMPLE: Provide the name for the following compound: CaCl₂

PRACTICE: Provide the name for the following compound: Al(BrO₄)₃

PRACTICE: Provide the name for the following compound: CoCO₃