

## Ionic Chemical Formulas/PreAICE Chemistry

NAME: \_\_\_\_\_ PERIOD \_\_\_\_\_

**Directions:** Using the Chemical Formulas program sheet, fill in the table below. Use subscripts & superscripts. Remember to use roman numerals to show the valence of the transition metals in the compound name.

METAL CATION (+)	CATION FORMULA	NONMETAL ANION (-)	ANION FORMULA	COMPOUND FORMULA	COMPOUND NAME
<b>sodium</b>	Na+1	hydroxide	OH-	NaOH	sodium hydroxide
<b>magnesium</b>	Mg+2	phosphate	PO <sub>4</sub> -3	Mg <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	magnesium phosphate
<b>calcium</b>	Ca+2	chloride	Cl-	CaCl <sub>2</sub>	calcium chloride
<b>gold(I)</b>	Au+1	sulfite	SO <sub>3</sub> -2	Au <sub>2</sub> SO <sub>3</sub>	gold(I) sulfite
<b>copper(II)</b>	Cu+2	hydroxide	OH-	Cu(OH) <sub>2</sub>	copper(II) hydroxide
<b>Iron(III)</b>	Fe+3	telluride	Te-2	Fe <sub>2</sub> Te <sub>3</sub>	iron(III) telluride