

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
sodium	Na+1	hydroxide	OH-	NaOH	sodium hydroxide
magnesium	Mg+2	phosphate	PO ₄ -3	Mg ₃ (PO ₄) ₂	magnesium phosphate
calcium	Ca+2	chloride	Cl-	CaCl ₂	calcium chloride
gold(I)	Au+1	sulfite	SO ₃ -2	Au ₂ SO ₃	gold(I) sulfite
copper(II)	Cu+2	hydroxide	OH-	Cu(OH) ₂	copper(II) hydroxide
Iron(III)	Fe+3	telluride	Te-2	Fe ₂ Te ₃	iron(III) telluride