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 romam 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	PO4-3	Mg3(PO4)2	magnesium phosphate
calcium	Ca+2	chloride	Cl-	CaCl2	calcium chloride
gold(I)	Au+1	sulfite	SO3-2	Au2SO3	gold(I) sulfite
copper(II)	Cu+2	hydroxide	OH-	Cu(OH)2	copper(II) hydroxide
Iron(III)	Fe+3	telluride	Te-2	Fe2Te3	iron(III) telluride
magnesium	Mg+2	bromide	Br-1	MgBr2	magnesium bromide
manganese(II)	Mn+2	sulfide	S-2	MnS	manganese(II) sulfide
boron	B+3	oxide	O-2	B2O3	boron oxide
potassium	K+	nitrate	NO3-	KNO3	potassium nitrate
barium	Ba+2	bromide	Br-	BaBr2	barium bromide
strontium	Sr+2	sulfate	SO4-2	SrSO4	strontium sulfate
iron(III)	Fe+3	oxide	O-2	Fe2O3	iron(III) oxide
silver(I)	Ag+1	chloride	Cl-	AgCl	silver(I) chloride
aluminum	Al+3	carbonate	CO3-2	Al2(CO3)3	aluminum carbonate
gold(II)	Au+2	nitride	N-3	Au3N2	gold(II) nitride
cesium	Cs+1	phosphate	PO4-3	Cs3PO4	cesium phosphate
ammonium	NH4+	sulfide	S-2	(NH4)2S	ammonium sulfide
zinc(II)	Zn+2	nitrite	NO2-	Zn(NO2)2	zinc(II) nitrite
chromium(I)	Cr+1	nitride	N-3	Cr3N	chromium(I) nitride
mercury(II)	Hg+2	oxide	O-2	HgO	mercury(II) oxide
sodium	Na+	sulfite	SO3-2	Na2SO3	sodium sulfite
magnesium	Mg+2	oxide	O-2	MgO	magnesium oxide