NAME:

FORMULA WRITING

## a. Barium chloride Na<sub>2</sub>CO<sub>3</sub> Calcium oxide $K_2O$ b. Magnesium sulfate HgCl<sub>2</sub> c. Silver bromide Fe(OH)<sub>3</sub> Zinc carbonate $Ni(C_2H_3O_2)_2$ e. Ammonium nitrate f. f. CuCl<sub>2</sub> Aluminum sulfide Na<sub>3</sub>AsO<sub>4</sub> g. Copper (II) hydroxide CaS h. Lead (II) phosphate K<sub>2</sub>SO<sub>4</sub> i. Iron (III) sulfate j. NaNO<sub>3</sub> Chromium (III) fluoride \_\_\_\_\_\_ NH<sub>4</sub>NO<sub>3</sub> k. ١. Nickel (II) chlorate Ag<sub>2</sub>CO<sub>3</sub> Potassium hydroxide m. AuCl m. Radium chromate CsCl n. Mercury (II) iodide **KCN** Sodium bisulfate LiMnO<sub>4</sub> Lead (IV) acetate $Co_3(PO_4)_2$ q. Sodium bisulfate MnO r. Mercury (II) nitrate s. Ag<sub>2</sub>SO<sub>4</sub> Antimony trichloride t. NaHCO<sub>3</sub> Manganese (III) sulfide \_ $(NH_4)_2S$ Molybdenum (III) oxide \_\_\_\_\_ $N_2O_5$ ٧. Tin (IV) chloride w. $N_2O_3$ w. Rubidium fluoride $Mg(HSO_3)_2$ X. Sulfur trioxide BaCrO<sub>4</sub> у. Aluminum acetate z. $P_2O_3$

Write names for the following formulas

Write formulas for the following compounds:

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Writing Formulas for Binary Ionic Compounds \ Use periodic table or roman numerals to determine charge

1.	Sodium nitride	NazN
2.	Calcium fluoride	CaFz
3.	Iron (III) oxide	Fe203
4.	Aluminum sulfide	Alz S3
5	Magnesium selenide	mase

6.	Potassium oxide	_ K <sub>2</sub> O
7.	Copper (II) chloride	CuClz
8.	Lithium bromide	LiBr
9.	Tin (IV) sulfide	5n52

10. Strontium phosphide

Writing formulas for Ionic Compounds with Polyatomic Ions – use periodic table or roman numerals for cation (except ammonium ion!) and look up polyatomic anion's formula and charge.

1.	Sodium sulfate	Na, 504	6. Tin (II) phosphate	Sng (POy)2
2	Calcium acetate	Ca (CzHzOz)2	<ol><li>Sodium bicarbonate</li></ol>	Na HCO3
۷.	- All	(NUL) 5	8. Barium hydroxide	Ba(04)2
3.	Ammonium sulfide	100.4)2 -	·	116.20 7
4.	Iron (III) chlorate	Fe (CLO2)3	<ol><li>Aluminum nitrate</li></ol>	AL (NO 3/3
5	Ammonium carbonate	(NHV), CO2	10. Ammonium phosphate	(NHx) 3 PO4
٦.	All Hotham carbonate	( ) 0 3	5.8	911

Writing formulas for Covalent Substances (use prefixes not charges)

e" T	Nitrogen trifluoride	NF2	3.	Sulfur dioxide _	502
1.	Millogen tilldorde			1-1	110
2.	Dinitrogen dioxide	N2 02	4.	Carbon tetrachloride _	CCKY

Naming Compounds – use roman numerals if needed to indicate charge. Use prefixes for covalent substances.

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	1.	MgCl <sub>2</sub>	MAGNESIUM CHLORIDE
	2.	Ca(NO <sub>3</sub> ) <sub>2</sub>	CALCIUM NITRATE
حد_	3.	Fe <sub>4</sub> (CO <sub>3</sub> ) <sub>13</sub>	IRON (III) CARBONATE
	4.	(NH <sub>4</sub> ) <sub>2</sub> O	AMM ONUM OXIDE
	5.	SO <sub>3</sub>	SULFUR TRIONDE
	6.	NF <sub>3</sub>	NITROGSW THIFLUORIBE
	7.	Fe(OH)2	IRON (TI) MYDROXIDE
	8.	NH <sub>4</sub> ClO <sub>3</sub>	AMMODISM PERCULORATE
	9.	NH4HCO3	AMMONISM BIRCARBONATE
	10.	Li <sub>3</sub> PO <sub>4</sub>	LITHIUM PHOSPHATE

Write formulas for the following compounds:

V	The formulas for the follo	wing compounds:
a.	. Barium chloride	Ballz
b.	Calcium oxide	_Ca D
c.	Magnesium sulfate	Ma Say
d.	Silver bromide	Ag Br
e.	Zinc carbonate	2,003
f.	Ammonium nitrate	NHy NO3
g.	Aluminum sulfide	Al, 53
h.	Copper (II) hydroxide	Cu (ou)2
i.	Lead (II) phosphate	Pb. (POy)
j.	Iron (III) sulfate	Fe z (504) 3
k.	Chromium (III) fluoride	Cr Fz
l.	Nickel (II) chlorate	N: (Clo)2
m.	Potassium hydroxide	KOH
n.	Radium chromate	Ra Croy
0.	Mercury (II) iodide	HaIz
p.	Sodium bisulfate	Na H504
q.	Lead (IV) acetate	Pb(CzHzOz)y
r.	Sodium bisulfate	Na 450y
s.	Mercury (II) nitrate	He(NO3).
t.	Antimony trichloride	56 (l3
u.	Manganese (III) sulfide	Maz S3
٧.	Molybdenum (III) oxide	M0203
w.	Tin (IV) chloride	SnCly
х.	Rubidium fluoride	RbF
у,	Sulfur trioxide	503
Z,	Aluminum acetate	AL (C24302) 3

Write names for the following formulas

- ----

a.	Na <sub>2</sub> CO <sub>3</sub>	SODIUM CARPODATE
b.	K₂O	POTASSISM ONIDE
c.	HgCl₂	mercuay (I) chosise
d.	Fe(OH)₃	I AD N(III) NY PAOXIDE
e.	$Ni(C_2H_3O_2)_2$	NICKEL (II) ACETATE
f.	CuCl <sub>2</sub>	COPPER (II) CHEORIDE
g.	Na <sub>3</sub> AsO <sub>4</sub>	SODIUM ARSINATE
h.	CaS	CALCOUN SULFIDE
i.	K <sub>2</sub> SO <sub>4</sub>	POTASSIUM SULFATE
j.	NaNO₃	SODIUM DITATE
k.	NH4NO3	AMMONIUM NITATE
l.	Ag₂CO₃	SILVER CARBONATE
m.	AuCl	GOLD (I) CHLONIDE
n.	CsCl	CESIOM CULORIDE
ο.	KCN	POTASSIUM CYLLISE
p.,	LiMnO <sub>4</sub>	LITHION PERMANGANATE
q.	CO <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	COBALT ROX (TI) PHOSPULT
r.	MnO	MANGANESE (II) OXIDE
s.	Ag <sub>2</sub> SO <sub>4</sub>	SILVEL SULFATE
t.	NaHCO₃	SODIUM BICARBUUATE
u.	(NH₄)₂S	AMMONION SOLFIDE
٧.	$N_2O_5$	DINITHOGEN PENTOXIDE
w.	N <sub>2</sub> O <sub>3</sub>	DINITRUGSAN TRICKIDE
x.	Mg(HSO <sub>3</sub> ) <sub>2</sub>	MAGNESOM BISULFITE
у.	BaCrO <sub>4</sub>	BARIUM OXALLIE
Z.	P <sub>2</sub> O <sub>3</sub>	DIPHOSPHORUS TRIONIDE