Honors Chemistry Hour\_\_\_\_\_ Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Dr. Wexler  
Names and Formulas of Ionic Compounds Worksheet 1  
Date \_\_\_\_\_

For the list of formulas on the left, name the compound. For the list of names on the right, give the chemical formula that corresponds to the name

Name Formula

1) NaF 13) potassium fluoride

2) K2CO3 14) ammonium sulfate

3) MgCl2 15) magnesium iodide

4) Be(OH)2 16) copper (II) sulfite

5) SrS 17) aluminum phosphate

6) Cu2S 18) lead (II) nitrite

7) ZnI2 19) cobalt (II) selenide

8) Ca3(PO4)2 20) silver cyanide

9) NH4I 21) iron (II) oxide

10) Mn(NO3)3 22) lithium cyanide

11) FePO4 23) lead (IV) sulfite

12) CoCO3

**Compound Names and Formulas – Solution Key**

*Formula to name problems:*

1) NaF is sodium fluoride

2) K2CO3 is potassium carbonate

3) MgCl2 is magnesium chloride

4) Be(OH)2 is beryllium hydroxide

5) SrS is strontium sulfide

6) Cu2S is copper (I) sulfide

7) ZnI2 is zinc iodide

8) Ca3(PO4)2 is calcium phosphate

9) NH4I is ammonium iodide

10) Mn(NO3)3 is manganese (III) nitrate

11) FePO4 is iron (III) phosphate

12) CoCO3 is cobalt (II) carbonate

*Name to formula problems:*

13) potassium fluoride is KF

14) ammonium sulfate is (NH4)2SO4

15) magnesium iodide is MgI2

16) copper (II) sulfite is CuSO3

17) aluminum phosphate is AlPO4

18) lead (II) nitrite is Pb(NO2)2

19) cobalt (II) selenide is CoSe

20) silver cyanide is AgCN

21) iron (II) oxide is FeO

22) lithium cyanide is LiCN

23) lead (IV) sulfite is Pb(SO3)2