

## Compound Names and Formulas

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

	Name	Formula
1)	NaF	13) potassium fluoride
2)	K <sub>2</sub> CO <sub>3</sub>	14) ammonium sulfate
3)	MgCl <sub>2</sub>	15) magnesium iodide
4)	Be(OH) <sub>2</sub>	16) copper (II) sulfite
5)	SrS	17) aluminum phosphate
6)	Cu <sub>2</sub> S	18) lead (II) nitrite
7)	ZnI <sub>2</sub>	19) cobalt (II) selenide
8)	Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	20) silver cyanide
9)	NH <sub>4</sub> I	21) copper (II) bicarbonate
10)	Mn(NO <sub>3</sub> ) <sub>3</sub>	22) iron (II) oxide
11)	FePO <sub>4</sub>	23) lithium cyanide
12)	CoCO <sub>3</sub>	24) lead (IV) sulfite

## Compound Names and Formulas – Solution Key

### Formula to name problems:

- 1) NaF is sodium fluoride
- 2)  $K_2CO_3$  is potassium carbonate
- 3)  $MgCl_2$  is magnesium chloride
- 4)  $Be(OH)_2$  is beryllium hydroxide
- 5) SrS is strontium sulfide
- 6)  $Cu_2S$  is copper (I) sulfide
- 7)  $ZnI_2$  is zinc iodide
- 8)  $Ca_3(PO_4)_2$  is calcium phosphate
- 9)  $NH_4I$  is ammonium iodide
- 10)  $Mn(NO_3)_3$  is manganese (III) nitrate
- 11)  $FePO_4$  is iron (III) phosphate
- 12)  $CoCO_3$  is cobalt (II) carbonate

### Name to formula problems:

- 13) potassium fluoride is KF
- 14) ammonium sulfate is  $(NH_4)_2SO_4$
- 15) magnesium iodide is  $MgI_2$
- 16) copper (II) sulfite is  $CuSO_3$
- 17) aluminum phosphate is  $AlPO_4$
- 18) lead (II) nitrite is  $Pb(NO_2)_2$
- 19) cobalt (II) selenide is CoSe
- 20) silver cyanide is AgCN
- 21) copper (II) bicarbonate is  $Cu(HCO_3)_2$
- 22) iron (II) oxide is FeO
- 23) lithium cyanide is LiCN
- 24) lead (IV) sulfite is  $Pb(SO_3)_2$