

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 ₂ CO ₃		14) ammonium sulfate	
3) MgCl ₂		15) magnesium iodide	
4) Be(OH) ₂		16) copper (II) sulfite	
5) SrS		17) aluminum phosphate	
6) Cu ₂ S		18) lead (II) nitrite	
7) ZnI ₂		19) cobalt (II) selenide	
8) Ca ₃ (PO ₄) ₂		20) silver cyanide	
9) NH ₄ I		21) copper (II) bicarbonate	
10) Mn(NO ₃) ₃		22) iron (II) oxide	
11) FePO ₄		23) lithium cyanide	
12) CoCO ₃		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 $Pb(SO_3)_2$