

## Naming Compounds and Writing Formulas

Name the following compounds:

1.  $\text{CrS}$  chromium II sulfide
2.  $\text{AgNO}_3$  silver nitrate
3.  $\text{Pb}(\text{SO}_3)_2$  lead IV sulfite
4.  $(\text{NH}_4)_3\text{P}$  ammonium phosphide
5.  $\text{SnF}_4$  tin IV fluoride
6.  $\text{PH}_3$  phosphorus trihydride
7.  $\text{Cl}_4$  carbon tetraiodide
8.  $\text{N}_2\text{O}_4$  dinitrogen tetraoxide or dinitrogen tetroxide
9.  $\text{SF}_6$  sulfur hexafluoride
10.  $\text{Na}_2\text{Cr}_2\text{O}_7$  sodium dichromate
11.  $\text{Ba}(\text{CN})_2$  barium cyanide
12.  $\text{KMnO}_4$  potassium permanganate
13.  $\text{LiOH}$  lithium hydroxide
14.  $\text{Al}(\text{C}_2\text{H}_3\text{O}_2)_3$  aluminum acetate
15.  $\text{Fe}_2(\text{CO}_3)_3$  iron III carbonate

Write Formulas for the following compounds:

1. copper II phosphate  $\text{Cu}_3(\text{PO}_4)_2$
2. magnesium bromide  $\text{MgBr}_2$
3. chromium III nitrite  $\text{Cr}(\text{NO}_2)_3$
4. ammonium oxide  $(\text{NH}_4)_2\text{O}$
5. zinc sulfate  $\text{ZnSO}_4$
6. lead IV hydroxide  $\text{Pb}(\text{OH})_4$
7. sodium nitride  $\text{Na}_3\text{N}$
8. mercury II chromate  $\text{HgCrO}_4$
9. aluminum chlorite  $\text{Al}(\text{ClO}_2)_3$
10. iron II oxide  $\text{FeO}$
11. iron III oxide  $\text{Fe}_2\text{O}_3$
12. potassium iodide  $\text{KI}$
13. strontium cyanide  $\text{Sr}(\text{CN})_2$
14. sulfur tetrafluoride  $\text{SF}_4$
15. beryllium nitrate  $\text{Be}(\text{NO}_3)_2$