

# Naming Ionic Compounds Practice Worksheet

*Name the following ionic compounds:*

1)  $\text{NH}_4\text{Cl}$  \_\_\_\_\_

2)  $\text{Fe}(\text{NO}_3)_3$  \_\_\_\_\_

3)  $\text{TiBr}_3$  \_\_\_\_\_

4)  $\text{Cu}_3\text{P}$  \_\_\_\_\_

5)  $\text{SnSe}_2$  \_\_\_\_\_

6)  $\text{GaAs}$  \_\_\_\_\_

7)  $\text{Pb}(\text{SO}_4)_2$  \_\_\_\_\_

8)  $\text{Be}(\text{HCO}_3)_2$  \_\_\_\_\_

9)  $\text{Mn}_2(\text{SO}_3)_3$  \_\_\_\_\_

10)  $\text{Al}(\text{CN})_3$  \_\_\_\_\_

*Write the formulas for the following compounds:*

11) chromium VI phosphate \_\_\_\_\_

12) vanadium IV carbonate \_\_\_\_\_

13) tin II nitrite \_\_\_\_\_

14) cobalt III oxide \_\_\_\_\_

15) titanium II acetate \_\_\_\_\_

16) vanadium V sulfide \_\_\_\_\_

17) chromium III hydroxide \_\_\_\_\_

18) lithium iodide \_\_\_\_\_

19) lead II nitride \_\_\_\_\_

20) silver bromide \_\_\_\_\_

## Lots of Ionic Naming Practice Problems

Name the following ionic compounds:

1) NaBr \_\_\_\_\_

2) Sc(OH)<sub>3</sub> \_\_\_\_\_

3) V<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub> \_\_\_\_\_

4) NH<sub>4</sub>F \_\_\_\_\_

5) CaCO<sub>3</sub> \_\_\_\_\_

6) NiPO<sub>4</sub> \_\_\_\_\_

7) Li<sub>2</sub>SO<sub>3</sub> \_\_\_\_\_

8) Zn<sub>3</sub>P<sub>2</sub> \_\_\_\_\_

9) Sr(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub> \_\_\_\_\_

10) Cu<sub>2</sub>O \_\_\_\_\_

11) Ag<sub>3</sub>PO<sub>4</sub> \_\_\_\_\_

12) Y(ClO<sub>3</sub>)<sub>3</sub> \_\_\_\_\_

13) SnS<sub>2</sub> \_\_\_\_\_

14) Ti(CN)<sub>4</sub> \_\_\_\_\_

15) KMnO<sub>4</sub> \_\_\_\_\_

16) Pb<sub>3</sub>N<sub>2</sub> \_\_\_\_\_

17) CoCO<sub>3</sub> \_\_\_\_\_

18) CdSO<sub>3</sub> \_\_\_\_\_

19) Cu(NO<sub>2</sub>)<sub>2</sub> \_\_\_\_\_

20) Fe(HCO<sub>3</sub>)<sub>2</sub> \_\_\_\_\_

*Write the formulas for the following ionic compounds:*

21) lithium acetate \_\_\_\_\_

22) iron II phosphate \_\_\_\_\_

23) titanium II selenide \_\_\_\_\_

24) calcium bromide \_\_\_\_\_

25) gallium III chloride \_\_\_\_\_

26) sodium hydride \_\_\_\_\_

27) beryllium hydroxide \_\_\_\_\_

28) zinc carbonate \_\_\_\_\_

29) manganese VII arsenide \_\_\_\_\_

30) copper II chlorate \_\_\_\_\_

31) cobalt III chromate \_\_\_\_\_

32) ammonium oxide \_\_\_\_\_

33) potassium hydroxide \_\_\_\_\_

34) lead IV sulfate \_\_\_\_\_

35) silver cyanide \_\_\_\_\_

36) vanadium V nitride \_\_\_\_\_

37) strontium acetate \_\_\_\_\_

38) molybdenum VI sulfate \_\_\_\_\_

39) platinum II sulfide \_\_\_\_\_

40) ammonium sulfate \_\_\_\_\_