**Nomenclature Practice**

**Write the formula for each of the following compounds:**

1. carbon tetrafluoride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. potassium sulfate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. sodium phosphide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. cobalt (II) nitrite \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. iron (III) sulfide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. diphosphorous pentasulfide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. calcium phosphate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. copper (II) acetate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. aluminum carbonate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. zinc cyanide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. nitrogen trichloride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. chromium (III) sulfite \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. silver chromate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. lead (II) bromide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. cadmium permanganate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. lithium dichromate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17. nickel (II) nitrite \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18. ammonium chromate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. magnesium nitride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. mercury (II) hydroxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name the following compounds:**

|  |  |
| --- | --- |
| 1. SF6 |  |
| 2. Ag3N |  |
| 3. Cd(NO2)2 |  |
| 4. Fe2O3 |  |
| 5. KOH |  |
| 6. CoSO3 |  |
| 7. LiNO3 |  |
| 8. Mg3(PO4)2 |  |
| 9. BeCO3 |  |
| 10. Al2(CrO4)3 |  |
| 11. N2O4 |  |
| 12. Na2SO4 |  |
| 13. Zn(C2H3O2)2 |  |
| 14. Ni(MnO4)2 |  |
| 15. Br2O7 |  |
| 16. PbCr2O7 |  |
| 17. CrCl3 |  |
| 18. Hg3P2 |  |
| 19. NH4Br |  |
| 20. Cu2S |  |

**Nomenclature Practice KEY**

Write the formula for each of the following compounds:

1. carbon tetrafluoride CF4
2. potassium sulfate K2SO4
3. sodium phosphide Na3P
4. cobalt (II) nitrite Co(NO2)2
5. iron (III) sulfide Fe2S3
6. diphosphorous pentasulfide P2S5
7. calcium phosphate Ca3(PO4)2
8. copper (II) acetate Cu(C2H3O2)2
9. aluminum carbonate Al2(CO3)3
10. zinc cyanide Zn(CN)2
11. nitrogen trichloride NCl3
12. chromium (III) sulfite Cr2(SO3)3
13. silver chromate Ag2CrO4
14. lead (II) bromide PbBr2
15. cadmium permanganate Cd(MnO4)2
16. lithium dichromate Li2Cr2O7
17. nickel (II) nitrite Ni(NO2)2
18. ammonium chromate (NH4)2CrO4
19. magnesium nitride Mg3N2
20. mercury (II) hydroxide Hg(OH)2

Name the following compounds:

|  |  |
| --- | --- |
| 1. SF6
 | sulfur hexafluoride |
| 1. Ag3N
 | silver nitride |
| 1. Cd(NO2)2
 | cadmium nitrite |
| 1. Fe2O3
 | iron (III) oxide |
| 1. KOH
 | potassium hydroxide |
| 1. CoSO3
 | cobalt (II) sulfite |
| 1. LiNO3
 | lithium nitrate |
| 1. Mg3(PO4)2
 | magnesium phosphate |
| 1. BeCO3
 | beryllium carbonate |
| 1. Al2(CrO4)3
 | aluminum chromate |
| 1. N2O4
 | dinitrogen tetraoxide |
| 1. Na2SO4
 | sodium sulfate |
| 1. Zn(C2H3O2)2
 | zinc acetate |
| 1. Ni(MnO4)2
 | nickel (II) permanganate |
| 1. Br2O7
 | dibromine hepatoxide |
| 1. PbCr2O7
 | lead (II) dichromate |
| 1. CrCl3
 | chromium (III) chloride |
| 1. Hg3P2
 | mercury (II) phosphide |
| 1. NH4Br
 | ammonium bromide |
| 1. Cu2S
 | copper (I) sulfide |