

Give the names of the following compounds:

- | | |
|---|---------------------------------|
| 1. NaCl | sodium chloride |
| 2. AgNO ₃ | silver nitrate |
| 3. BaCrO ₄ | barium chromate |
| 4. Mg(OH) ₂ | magnesium hydroxide |
| 5. ZnSO ₄ | zinc sulfate |
| 6. K ₂ CO ₃ | potassium carbonate |
| 7. Al ₂ O ₃ | aluminum oxide |
| 8. CdF ₂ | cadmium fluoride |
| 9. NH ₄ NO ₂ | ammonium nitrite |
| 10. Fe(OH) ₃ | (a) iron (III) hydroxide |
| | (b) ferric hydroxide |
| 11. Zn ₃ (PO ₄) ₂ | zinc phosphate |
| 12. KClO ₃ | potassium chlorate |
| 13. CaS | calcium sulfide |
| 14. (NH ₄) ₂ C ₂ O ₄ | ammonium oxalate |

Give the formulas of the following compounds:

- | | |
|--------------------------|---|
| 1. Barium chloride | 1. <u>BaCl_2</u> |
| 2. Lead(II) nitrate | 2. <u>$\text{Pb}(\text{NO}_3)_2$</u> |
| 3. Titanium(III) iodide | 3. <u>TiI_3</u> |
| 4. Ammonium hydroxide | 4. <u>NH_4OH</u> |
| 5. Potassium chromate | 5. <u>K_2CrO_4</u> |
| 6. Cobalt(II) oxide | 6. <u>CoO</u> |
| 7. Magnesium perchlorate | 7. <u>$\text{Mg}(\text{ClO}_4)_2$</u> |
| 8. Copper(II) sulfate | 8. <u>CuSO_4</u> |
| 9. Sodium sulfite | 9. <u>Na_2SO_3</u> |
| 10. Iron(III) chloride | 10. <u>FeCl_3</u> |
| 11. Calcium cyanide | 11. <u>$\text{Ca}(\text{CN})_2$</u> |
| 12. Copper(I) sulfide | 12. <u>Cu_2S</u> |
| 13. Silver carbonate | 13. <u>Ag_2CO_3</u> |
| 14. Cadmium hypochlorite | 14. <u>$\text{Cd}(\text{ClO})_2$</u> |
| 15. Tin(IV) oxide | 15. <u>SnO_2</u> |
| 16. Sodium bicarbonate | 16. <u>NaHCO_3</u> |
| 17. Aluminum acetate | 17. <u>$\text{Al}(\text{C}_2\text{H}_3\text{O}_2)_3$</u> |
| 18. Nickel(II) phosphate | 18. <u>$\text{Ni}_3(\text{PO}_4)_2$</u> |

Give the names of the following compounds:

- | | | |
|--|---------------------------------|----------------------------|
| 1. $(\text{NH}_4)_2\text{S}$ | <u>ammonium sulfide</u> | |
| 2. NiF_2 | <u>nickel (II) fluoride</u> | nickelous fluoride |
| 3. $\text{Sb}(\text{ClO}_3)_3$ | <u>antimony (III) chlorate</u> | antimonous chlorate |
| 4. $\text{Ca}(\text{OH})_2$ | <u>calcium hydroxide</u> | |
| 5. $\text{HCl}(\text{aq})$ | <u>hydrochloric acid</u> | |
| 6. CrBr_3 | <u>chromium (III) bromide</u> | chromic bromide |
| 7. Cu_2CO_3 | (a) <u>copper (I) carbonate</u> | |
| | (b) <u>cuprous carbonate</u> | |
| 8. $\text{K}_2\text{Cr}_2\text{O}_7$ | <u>potassium dichromate</u> | |
| 9. FeSO_4 | (a) <u>iron (II) sulfate</u> | |
| | (b) <u>ferrous sulfate</u> | |
| 10. $\text{AgC}_2\text{H}_3\text{O}_2$ | <u>silver acetate</u> | |
| 11. $\text{H}_2\text{SO}_4(\text{aq})$ | <u>sulfuric acid</u> | |
| 12. Cr_2O_3 | <u>chromium (III) oxide</u> | chromic oxide |
| 13. KBrO_3 | <u>potassium bromate</u> | |
| 14. $\text{Cd}(\text{NO}_3)_2$ | <u>cadmium nitrate</u> | |

Give the formulas of the following compounds:

- | | |
|---------------------------|---|
| 1. Nitric acid | 1. $\text{HNO}_3(\text{aq})$ |
| 2. Sodium oxalate | 2. $\text{Na}_2\text{C}_2\text{O}_4$ |
| 3. Manganese(II) iodate | 3. $\text{Mn}(\text{IO}_3)_2$ |
| 4. Zinc nitrite | 4. $\text{Zn}(\text{NO}_2)_2$ |
| 5. Arsenic(III) iodide | 5. AsI_3 |
| 6. Potassium permanganate | 6. KMnO_4 |
| 7. Titanium(IV) bromide | 7. TiBr_4 |
| 8. Sodium arsenate | 8. Na_3AsO_4 |
| 9. Ammonium thiocyanate | 9. NH_4SCN |
| 10. Acetic acid | 10. $\text{HC}_2\text{H}_3\text{O}_2(\text{aq})$ |
| 11. Manganese(IV) sulfide | 11. MnS_2 |
| 12. Bismuth(III) arsenate | 12. BiAsO_4 |
| 13. Sodium peroxide | 13. Na_2O_2 |
| 14. Cobalt(II) chlorite | 14. $\text{Co}(\text{ClO}_2)_2$ |
| 15. Stannous fluoride | 15. SnF_2 |
| 16. Magnesium bicarbonate | 16. $\text{Mg}(\text{HCO}_3)_2$ |
| 17. Lead(II) acetate | 17. $\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2$ |
| 18. Phosphoric acid | 18. $\text{H}_3\text{PO}_4(\text{aq})$ |

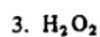
Give the names of the following compounds.



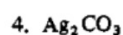
carbon dioxide



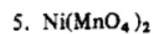
potassium thiocyanate



hydrogen peroxide



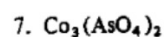
silver carbonate



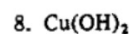
nickel (II) permanganate nickelous permanganate



chromium (III) fluoride chromic fluoride



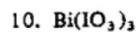
cobalt (II) arsenate cobaltous arsenate



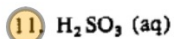
copper (II) hydroxide cupric hydroxide



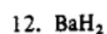
potassium cyanide



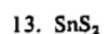
bismuth (III) iodate



sulfurous acid



barium hydride



tin (IV) sulfide

(a)

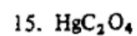
stannic sulfide

(b)

sodium hydrogen sulfite sodium bisulfite



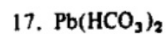
mercury (II) oxalate mercuric oxalate



arsenic (V) nitrite arsenic nitrite



lead (II) hydrogen carbonate lead (II) bicarbonate



plumbous hydrogen carbonate plumbous bicarbonate

Give the formulas of the following substances:

1. Ammonium bicarbonate

2. Hydrogen sulfide

3. Barium hydroxide

4. Nitrous acid

5. Copper(II) bromide

6. Carbon tetrachloride

7. Nickel(II) perchlorate

8. Lead(II) nitrate

9. Ammonia

10. Chlorine

11. Chromium(III) sulfite

12. Sulfur dioxide

13. Carbonic acid

14. Copper(I) carbonate

15. Chloric acid

16. Barium arsenate

17. Calcium cyanide

18. Arsenic(III) oxide

19. Silver dichromate

20. Carbon disulfide

21. Aluminum fluoride

22. Manganese(IV) chloride

1. NH_4HCO_3

2. H_2S

3. $\text{Ba}(\text{OH})_2$

4. $\text{HNO}_2(\text{aq})$

5. CuBr_2

6. CCl_4

7. $\text{Ni}(\text{ClO}_4)_2$

8. $\text{Pb}(\text{NO}_3)_2$

9. NH_3

10. Cl_2

11. $\text{Cr}_2(\text{SO}_3)_3$

12. SO_2

13. $\text{H}_2\text{CO}_3(\text{aq})$

14. Cu_2CO_3

15. $\text{HClO}_3(\text{aq})$

16. $\text{Ba}_3(\text{AsO}_4)_2$

17. $\text{Ca}(\text{CN})_2$

18. As_2O_3

19. $\text{Ag}_2\text{Cr}_2\text{O}_7$

20. CS_2

21. AlF_3

22. MnCl_4