

Naming Ionic Compounds Worksheet One

Give the name of the following ionic compounds:

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|-----------------------------------|------------------------|
| 1) Na_2CO_3 | sodium carbonate |
| 2) NaOH | sodium hydroxide |
| 3) MgBr_2 | magnesium bromide |
| 4) KCl | potassium chloride |
| 5) FeCl_2 | iron (II) chloride |
| 6) FeCl_3 | iron (III) chloride |
| 7) Zn(OH)_2 | zinc hydroxide |
| 8) BeSO_4 | beryllium sulfate |
| 9) CrF_2 | chromium (II) fluoride |
| 10) Al_2S_3 | aluminum sulfide |
| 11) PbO | lead (II) oxide |
| 12) Li_3PO_4 | lithium phosphate |
| 13) TiI_4 | titanium (IV) iodide |
| 14) Co_3N_2 | cobalt (II) nitride |
| 15) Mg_3P_2 | magnesium phosphide |
| 16) $\text{Ga(NO}_2)_3$ | gallium nitrite |
| 17) Ag_2SO_3 | silver sulfite |
| 18) NH_4OH | ammonium hydroxide |
| 19) Al(CN)_3 | aluminum cyanide |
| 20) $\text{Be(CH}_3\text{COO)}_2$ | beryllium acetate |

For the following compounds, give the formulas

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|----------------------------|--|
| 22) sodium phosphide | Na_3P |
| 23) magnesium nitrate | $\text{Mg(NO}_3)_2$ |
| 24) lead (II) sulfite | PbSO_3 |
| 25) calcium phosphate | $\text{Ca}_3(\text{PO}_4)_2$ |
| 26) ammonium sulfate | $(\text{NH}_4)_2\text{SO}_4$ |
| 27) silver cyanide | AgCN |
| 28) aluminum sulfide | Al_2S_3 |
| 29) beryllium chloride | BeCl_2 |
| 30) copper (I) arsenide | Cu_3As |
| 31) iron (III) oxide | Fe_2O_3 |
| 32) gallium nitride | GaN |
| 33) iron (II) bromide | FeBr_2 |
| 34) vanadium (V) phosphate | $\text{V}_3(\text{PO}_4)_5$ |
| 35) calcium oxide | CaO |
| 36) magnesium acetate | $\text{Mg(C}_2\text{H}_3\text{O}_2)_2$ |
| 37) aluminum sulfate | $\text{Al}_2(\text{SO}_4)_3$ |
| 38) copper (I) carbonate | Cu_2CO_3 |
| 39) barium oxide | BaO |
| 40) ammonium sulfite | $(\text{NH}_4)_2\text{SO}_3$ |
| 41) silver bromide | AgBr |
| 42) lead (IV) nitrite | $\text{Pb(NO}_2)_4$ |