

## Naming Ionic Compounds Worksheet One

Give the name of the following ionic compounds:

- |                                   |                        |
|-----------------------------------|------------------------|
| 1) $\text{Na}_2\text{CO}_3$       | sodium carbonate       |
| 2) $\text{NaOH}$                  | sodium hydroxide       |
| 3) $\text{MgBr}_2$                | magnesium bromide      |
| 4) $\text{KCl}$                   | potassium chloride     |
| 5) $\text{FeCl}_2$                | iron (II) chloride     |
| 6) $\text{FeCl}_3$                | iron (III) chloride    |
| 7) $\text{Zn(OH)}_2$              | zinc hydroxide         |
| 8) $\text{BeSO}_4$                | beryllium sulfate      |
| 9) $\text{CrF}_2$                 | chromium (II) fluoride |
| 10) $\text{Al}_2\text{S}_3$       | aluminum sulfide       |
| 11) $\text{PbO}$                  | lead (II) oxide        |
| 12) $\text{Li}_3\text{PO}_4$      | lithium phosphate      |
| 13) $\text{TiI}_4$                | titanium (IV) iodide   |
| 14) $\text{Co}_3\text{N}_2$       | cobalt (II) nitride    |
| 15) $\text{Mg}_3\text{P}_2$       | magnesium phosphide    |
| 16) $\text{Ga(NO}_2)_3$           | gallium nitrite        |
| 17) $\text{Ag}_2\text{SO}_3$      | silver sulfite         |
| 18) $\text{NH}_4\text{OH}$        | ammonium hydroxide     |
| 19) $\text{Al(CN)}_3$             | 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       | $\text{Na}_3\text{P}$                  |
| 23) magnesium nitrate      | $\text{Mg(NO}_3)_2$                    |
| 24) lead (II) sulfite      | $\text{PbSO}_3$                        |
| 25) calcium phosphate      | $\text{Ca}_3(\text{PO}_4)_2$           |
| 26) ammonium sulfate       | $(\text{NH}_4)_2\text{SO}_4$           |
| 27) silver cyanide         | $\text{AgCN}$                          |
| 28) aluminum sulfide       | $\text{Al}_2\text{S}_3$                |
| 29) beryllium chloride     | $\text{BeCl}_2$                        |
| 30) copper (I) arsenide    | $\text{Cu}_3\text{As}$                 |
| 31) iron (III) oxide       | $\text{Fe}_2\text{O}_3$                |
| 32) gallium nitride        | $\text{GaN}$                           |
| 33) iron (II) bromide      | $\text{FeBr}_2$                        |
| 34) vanadium (V) phosphate | $\text{V}_3(\text{PO}_4)_5$            |
| 35) calcium oxide          | $\text{CaO}$                           |
| 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   | $\text{Cu}_2\text{CO}_3$               |
| 39) barium oxide           | $\text{BaO}$                           |
| 40) ammonium sulfite       | $(\text{NH}_4)_2\text{SO}_3$           |
| 41) silver bromide         | $\text{AgBr}$                          |
| 42) lead (IV) nitrite      | $\text{Pb(NO}_2)_4$                    |