**Formula Writing Practice Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Period\_\_\_\_\_**

Complete the chart by writing the correct formulas for the following compounds.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Compound** | **Positive ion** | **Negative ion** | **Formula** |
| 1. Sodium Iodide
 | Na+ | I- | NaI |
| 1. Silver sulfide
 | Ag+ | S2- | Ag2S |
| 1. Barium sulfate
 |  |  |  |
| 1. Lithium sulfide
 |  |  |  |
| 1. Sodium hydroxide
 |  |  |  |
| 1. Ammonium chlorate
 |  | ClO3- |  |
| 1. Zinc sulfate
 | Zn2+ |  |  |
| 1. Iron(III) phosphate
 | Fe3+ |  |  |
| 1. Nickel (II) hydroxide
 | Ni2+ |  |  |
| 1. Chromium (III) oxide
 | Cr3+ |  |  |
| 1. Iron (III) sulfate
 |  |  |  |
| 1. Copper (II) nitrate
 |  |  |  |
| 1. copper (II) carbonate
 |  |  |  |
| 1. magnesium phosphide
 |  |  |  |
| 1. aluminum nitrate
 |  |  |  |
| 1. sodium phosphate
 |  |  |  |
| 1. aluminum sulfate
 |  |  |  |
| 1. aluminum sufide
 |  |  |  |
| 1. iron (III) sulfite
 |  |  |  |
| 1. ammonium carbonate
 |  |  |  |

# **Formula Writing/Counting** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Period\_\_\_\_\_\_

Complete the chart. Remember these rules:

1. The number of atoms of each element (or polyatomic ions) is written in the space below the line and to the right of the symbol as a subscript.
2. When the number of atoms (or polyatomic ions) is one, the one is “understood” and you do not write anything.
3. The positive atom (or polyatomic ion) is written first in the formula.
4. Us (parentheses) only when necessary.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Compound made of** | **Positive ion** | **Negative ion** | Formula | Compound Name | Number of atoms in compound |
| 1. calcium and

chlorate |  |  |  |  |  |
| 1. nickel (II) and

 sulfate |  |  |  |  |  |
| 1. copper (I) and

 carbonate |  |  |  |  |  |
| 4. magnesium and chlorine |  |  |  |  |  |
| 1. tin (II) and

 sulfate |  |  |  |  |  |
| 1. Ammonium and

 phosphate  |  |  |  |  |  |
| 1. aluminum and

nitrate  |  |  |  |  |  |
| 1. calcium and

 sulfite |  |  |  |  |  |
| 1. iron (III) and

 carbonate |  |  |  |  |  |
| 1. calcium and

 hydroxide  |  |  |  |  |  |
| 1. lithium and

 sulfate  |  |  |  |  |  |
| 1. strontium and

carbonate |  |  |  |  |  |
| 1. fluorine and

 ammonium |  |  |  |  |  |
| 1. Chromium (III)

and oxide |  |  |  |  |  |
| 1. phosphate and

Iron (II) |  |  |  |  |  |