

## Naming Ionic Compounds and Writing Ionic Formulas

Write the answers in your spiral notebooks.

1. Write the formulas for the following ions:

|              |             |               |
|--------------|-------------|---------------|
| Ammonium     | Sulfate     | Potassium Ion |
| Tin (II)     | Calcium Ion | Lead (IV)     |
| Chromate     | Nitride     | Silver        |
| Sulfide      | Carbonate   | Chlorate      |
| Cyanide      | Phosphate   | Acetate       |
| Iron (III)   | Hydroxide   | Copper (I)    |
| Permanganate | Nitrate     | Phosphide     |
| Nitrite      | Sulfite     | Dichromate    |

2. Write the formulas for the following ionic compounds:

|                    |                           |                      |
|--------------------|---------------------------|----------------------|
| Barium Hydroxide   | Beryllium Nitride         | Potassium Bromide    |
| Aluminum Chloride  | Vanadium (III) Oxide      | Lead (IV) Chlorate   |
| Magnesium Sulfide  | Silver Nitrite            | Cadmium Phosphide    |
| Ammonium Nitrate   | Zinc Chlorite             | Cesium Sulfate       |
| Rubidium Phosphate | Chromium (II) Perchlorate | Ammonium Hydroxide   |
| Iron (III) Acetate | Aluminum Nitride          | Copper (II) Fluoride |
| Calcium Oxide      | Manganese (III) Cyanide   | Barium Sulfate       |
| Sodium Carbonate   | Tin (II) Sulfite          | Strontium Dichromate |

3. Write the names of the following ionic compounds:

|   |                                      |  |
|---|--------------------------------------|--|
| NaCl  | SnCl <sub>4</sub>                    | SnCl <sub>2</sub>  |
| BaCl <sub>2</sub>                               | MgCO <sub>3</sub>                    | Co <sub>2</sub> O <sub>3</sub>                                 |
| AlF <sub>3</sub>                                | Fe(ClO <sub>4</sub> ) <sub>3</sub>   | Al <sub>2</sub> P <sub>3</sub>                                 |
| FeO   | Be(CH <sub>3</sub> COO) <sub>2</sub> | Ca(NO <sub>3</sub> ) <sub>2</sub>                              |
| KI  | SnS <sub>2</sub>                     | K <sub>2</sub> SO <sub>3</sub>                                 |
| AgCl  | Mn(HCO <sub>3</sub> ) <sub>3</sub>   | Fe <sub>2</sub> O <sub>3</sub>                                 |
| Cu <sub>2</sub> O                               | Na <sub>3</sub> PO <sub>4</sub>      | Ba(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> |
| CaS   | CoO                                  | NaClO  |
| (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> | CrCl <sub>3</sub>                    | PbO <sub>2</sub>   |