

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