

Reinforcement**Chapter 9****BLM 9-2****Polyatomic Ions****Goal**

To practice naming and writing formulas of polyatomic ions.

What To Do

Answer each question in the space provided.

1. Name the following compounds containing polyatomic ions.

(a) CrSO_4 _____

(b) $\text{Al}(\text{NO}_3)_3$ _____

(c) $(\text{NH}_4)_3\text{PO}_4$ _____

(d) AgIO_3 _____

(e) HgClO_3 _____

(f) ZnCO_3 _____

(g) $\text{Ni}(\text{NO}_3)_3$ _____

(h) $\text{Ba}(\text{BrO}_3)_2$ _____

(i) BeCO_3 _____

2. Write formulas for the following ionic compounds.

(a) Iron(III) chlorate _____

(b) Mercury(I) iodate _____

(c) Aluminum sulfate _____

(d) Lead(II) carbonate _____

(e) Ammonium phosphate _____

(f) Calcium nitrate _____

(g) Potassium permanganate _____

(h) Silver fluoride _____

(i) Strontium sulfate _____

(j) Sodium chromate _____