Naming Ions (Advanced)

Chemistry Name

**1 Write formulas for these compounds:**

(a) tin(IV) bromide (d) mercury(II) nitrate

(b) copper(I) sulfate (e) titanium(IV) sulfide

(c) iron(III) carbonate (f) iron(II) acetate

**2 Write formulas for these compounds:**

(a) silver sulfite (b) cobalt(II) bromide

(c) tin(II) hydroxide (d) aluminum sulfate

(e) manganese(II) fluoride (f) ammonium carbonate

(g) chromium(III) oxide (h) copper(II) chloride

(i) potassium permanganate (j) barium nitrate

(k) sodium hydroxide (l) iron(II) sulfate

(m) potassium chromate (n) bismuth(III) chromate

**3 Write the name of each compound:**

(a) Cd(NO3)2 (f) Cr(ClO3)3

(b) NiS (g) Ag3PO4

(c) CuCO3 (h) Al(C2H3O2)3

(d) HgCl2 (i) BaCrO4

(e) ZnSO4  (j) CoF2

**4 Write formulas for these compounds:**

(a) sodium chromate (b) magnesium hydride

(c) nickel(II) acetate (d) calcium chlorate

(e) lead(II) nitrate (f) potassium phosphate

(g) manganese(II) hydroxide (h) cobalt(II) carbonate

(i) sodium chlorate (j) arsenic(V) carbonate

(k) chromium(III) sulfate (l) antimony(III) sulfate

(m) sodium acetate (n) potassium cyanate

**5 Write the name of each compound:**

(a) NaClO3 (f) FeBr3

(b) Sn(NO3)2 (g) (NH4)3PO4

(c) As2(SO4)3 (h) Fe(CN)2

(d) BiSO4 (i) CaSO4

(e) K2CO3  (j) KMnO4

**6 Fill in the table with balanced compounds made up from the given ions.**

