Chemistry CP

Name:

Practice Quiz A: Ionic Formula Writing

Section:

You may refer to a periodic table.

Part I: Write formulas for the following compounds.

1. Sodium iodide NaI
2. Lithium sulfate Li_2SO_4
3. Zinc perchlorate $Zn(ClO_4)_2$
4. Chromium (III) nitrate $Cr(NO_3)_3$
5. Magnesium acetate $Mg(C_2H_3O_2)_2$
6. Ammonium dichromate $(NH_4)_2Cr_2O_7$
7. Mercury (II) bromide $HgBr_2$
8. Aluminum chromate $Al_2(CrO_3)_3$

Part II: Write names for the following compounds.

1. $V(OH)_4$ vanadium(IV) hydroxide
2. ZnS zinc sulfide
3. K_2CrO_4 potassium dichromate
4. $Ni_3(PO_4)_2$ nickel(II) phosphate
5. $Sn(CN)_2$ tin(II) cyanide
6. $CuC_2H_3O_2$ copper(I) acetate
7. Na_2O sodium oxide
8. $Cr_2(CO_3)_3$ chromium(III) carbonate

Selected Polyatomic Ions

Acetate $C_2H_3O_2^-$
Ammonium NH_4^+
Chlorate ClO_3^-
Cyanide CN^-
Hydroxide OH^-
Nitrate NO_3^-
Perchlorate ClO_4^-
Permanganate MnO_4^-
Sulfate SO_4^{2-}
Carbonate CO_3^{2-}
Chromate CrO_4^{2-}
Dichromate $Cr_2O_7^{2-}$
Phosphate PO_4^{3-}