WS 6.1 ***Name:_____p._____***

Fill in the missing formula or name for the following ionic compounds:

1. Write the formula for each of these compounds:

Iron (III) phosphide (aka "ferric phosphide") _____

Iron (II) phosphide (aka "ferrous phosphide") _____

Aluminum phosphide _____

2. a. What do the roman numerals mean in an ion name?_____

b. Why does aluminum ion not need a roman numeral?_____

3. There are two possible "iron carbonate" compounds.

a. What is the name of $FeCO_3$?_____

b. What is an alternative name for $FeCO_3$?_____

c. What is the name of $Fe_2(CO_3)_3$?_____

d. What is an alternative name for $Fe_2(CO_3)_3$?_____

4. Fill in the missing name/formula for each ionic compound.

CuO _____ or _____

Cu_2O_____ or _____

$Sn(CO_3)_2$_____

$SnCO_3$_____

Na_2O_____

$Ba(HCO_3)_2$_____

$Mg(C_2H_3O_2)_2$_____

Aluminum permanganate_____

Lead (IV) phosphide _____

silver carbonate_____

calcium nitrate_____

lead (II) sulfate_____

chromium (III) sulfate_____

Cobalt nitrite_____

$Fe(NO_3)_3$_____

PbS_2_____

CuS_____

Cu_2S_____

sodium arsenate_____

lithium bromide_____

ammonium hydroxide_____

barium hydroxide_____

hydrogen peroxide_____

gold (I) cyanide_____

gold (I) chromate_____

Tin (IV) chromate_____

Tin (IV) phosphate_____