

Physical Science 10
Extra Practice ALL Ionic Compounds

Give the Formula for each of the following compounds:

- Aluminum nitrate
 $\text{Al}^{3+} \text{NO}_3^{1-}$
 $\text{Al}(\text{NO}_3)_3$
- Calcium fluoride
 $\text{Ca}^{2+} \text{F}^{1-}$
 CaF_2
- Sodium bromide
 $\text{Na}^{1+} \text{Br}^{1-}$
 NaBr
- Cobalt (III) chloride
 $\text{Co}^{3+} \text{Cl}^{1-}$
 CoCl_3
- Magnesium chlorate
 $\text{Mg}^{2+} \text{ClO}_3^{1-}$
 $\text{Mg}(\text{ClO}_3)_2$
- Potassium hydroxide
 $\text{K}^{1+} \text{OH}^{1-}$
 KOH
- Nickel (II) oxide
 $\text{Ni}^{2+} \text{O}^{2-}$
 NiO
- Lead (IV) selenide
 $\text{Pb}^{4+} \text{Se}^{3-}$
 Pb_3Se_4
- Cobalt (II) nitrate
 $\text{Co}^{2+} \text{NO}_3^{1-}$
 $\text{Co}(\text{NO}_3)_2$
- Vanadium (V) phosphate
 $\text{V}^{5+} \text{PO}_4^{3-}$
 $\text{V}_3(\text{PO}_4)_5$
- Magnesium astatide
 $\text{Mg}^{2+} \text{At}^{1-}$
 MgAt_2
- Lithium nitride
 $\text{Li}^{1+} \text{N}^{3-}$
 Li_3N
- Barium nitrate
 $\text{Ba}^{2+} \text{NO}_3^{1-}$
 $\text{Ba}(\text{NO}_3)_2$
- Aluminum hydroxide
 $\text{Al}^{3+} \text{OH}^{1-}$
 $\text{Al}(\text{OH})_3$
- Gallium sulfide
 $\text{Ga}^{3+} \text{S}^{2-}$
 Ga_2S_3
- Chromium (III) bromide
 $\text{Cr}^{3+} \text{Br}^{1-}$
 CrBr_3
- Aluminum oxide
 $\text{Al}^{3+} \text{O}^{2-}$
 Al_2O_3
- Zinc sulfate
 $\text{Zn}^{2+} \text{SO}_4^{2-}$
 ZnSO_4
- Silver bicarbonate
 $\text{Ag}^{1+} \text{HCO}_3^{1-}$
 AgHCO_3
- Gold (I) oxide
 $\text{Au}^{1+} \text{O}^{2-}$
 Au_2O

Name each of the following compounds:

- NH_4Cl - ammonium chloride
- TiBr_3 - titanium (III) bromide
- Cu_3P - copper (I) phosphide
- Sn_3Se_2 - tin (II) selenide
- $\text{Pb}(\text{SO}_4)_2$ - lead (IV) sulfate
- RbHCO_3 - rubidium bicarbonate
- NiPO_4 - nickel (III) phosphate
- MnSO_4 - manganese (IV) sulfate
- GaAs - gallium astatide
- NaBr - sodium bromide
- $\text{Sc}(\text{OH})_3$ - scandium hydroxide
- $\text{V}_2(\text{SO}_4)_5$ - vanadium (V) sulphate
- NH_4F - ammonium fluoride
- Li_2SO_4 - lithium sulfate
- Zn_3P_2 - zinc phosphide
- Cu_2O - copper (I) oxide
- Ag_3PO_4 - silver phosphate
- CoCO_3 - cobalt (II) carbonate
- $\text{Fe}(\text{HCO}_3)_2$ - iron (II) bicarbonate
- HgO - mercury (II) oxide