

1. Write the formulas for the following compounds.

- $Mg^{2+} CO_3^{2-}$ a. magnesium carbonate $MgCO_3$
 $Al^{3+} (NO_3)^-$ b. aluminum nitrate $Al(NO_3)_3$
 $K^+ (SO_4)^{2-}$ c. potassium sulfate K_2SO_4
 d. calcium chlorate $Ca(ClO_3)_2$
 e. aluminum sulfate $Al_2(SO_4)_3$
 f. sodium carbonate Na_2CO_3
 g. strontium phosphate $Sr_3(PO_4)_2$
 h. sodium chlorate $NaClO_3$
 i. lithium nitrate $LiNO_3$
 j. aluminum hydroxide $Al(OH)_3$

- $Sn^{2+} (ClO_3)^-$ k. tin (II) chlorate $Sn(ClO_3)_2$
 $Pb^{4+} (NO_3)^-$ l. lead (IV) nitrate $Pb(NO_3)_4$
 $Fe^{3+} CO_3^{2-}$ m. iron (III) carbonate $Fe_2(CO_3)_3$
 $Cu^{2+} OH^-$ n. copper (II) hydroxide $Cu(OH)_2$
 $Pb^{2+} (NO_3)^-$ o. lead (II) nitrate $Pb(NO_3)_2$
 $Hg^{2+} (ClO_3)^-$ p. mercury (II) chlorate $Hg(ClO_3)_2$
 $Sn^{4+} (PO_4)^{3-}$ q. tin (IV) phosphate $Sn_3(PO_4)_4$
 $Pb^{4+} OH^-$ r. lead (IV) hydroxide $Pb(OH)_4$
 $K^+ NO_3^-$ s. potassium nitrate KNO_3
 $Sn^{4+} (SO_4)^{2-}$ t. tin (IV) sulphate $Sn_2(SO_4)_4 \rightarrow Sn(SO_4)_2$

2. Write the names for the following compounds.

- a. Li_2SO_4 lithium sulfate
 b. $Al(ClO_3)_3$ aluminum chlorate
 c. $MgSO_4$ magnesium sulfate
 d. K_2CO_3 potassium carbonate
 e. Na_2SO_4 sodium sulfate
 f. $AgNO_3$ silver nitrate
 g. K_3PO_4 potassium phosphate
 h. $Sr(ClO_3)_2$ strontium chlorate
 i. $RbOH$ rubidium hydroxide
 j. $HClO_3$ hydrogen chlorate
 k. $Pb^{2+} (SO_4)^{2-}$ $PbSO_4$ Lead (II) sulfate
 l. $AuOH$ Gold (I) hydroxide
 m. $GaPO_4$ Gallium phosphate
 n. $Cu^{2+} (NO_3)^-$ $Cu(NO_3)_2$ Copper (II) nitrate
 o. $Pb(ClO_3)_4$ lead (IV) chlorate
 p. $Fe(ClO_3)_2$ iron (II) chlorate
 q. Au_2CO_3 gold (I) carbonate
 r. $HgOH$ mercury (II) hydroxide
 s. $Sb_2(SO_4)_3$ antimony (III) sulfate
 t. $MnSO_4$ manganese (II) sulfate

Mg ✓ Mn ✓ Mo ✓ Nb