Predicting Precipitate Formation—Additional Practice

- Using the solubility rules, determine whether each of the following compounds is soluble in
 - (a) calcium sulfate
- (b) hydrogen sulfide
- (c) sodium nitrate
- (d) copper(II) chloride
- (e) magnesium carbonate
- (f) sodium hydroxide _____
- Complete each of the following word equations. Using the solubility rules, determine whether a precipitate forms. Rewrite each word equation as a balanced chemical equation. Be sure to include the states of all the reactants and products.
 - (a) magnesium nitrate and lithium sulfate
 - (b) lead(II) acetate and silver nitrate
 - (c) sodium bromide and sodium nitrate
 - (d) silver nitrate and ammonium phosphate
 - (e) magnesium hydroxide and calcium nitrate
 - (f) potassium carbonate and barium chloride
 - (g) silver nitrate and potassium chloride
 - (h) lead(II) nitrate and potassium sulfide