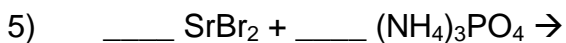
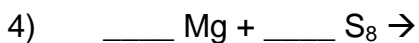
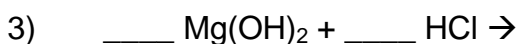
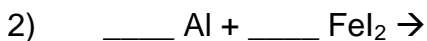
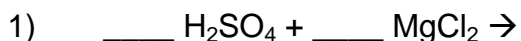


Product Formation Homework

For each of the problems below, indicate whether you believe a reaction will occur. For those that you believe will occur, write the expected products of the reactions. Remember to write symbols for the states of each compound.



7) Your teacher has told you to produce magnesium hydroxide by combining lithium hydroxide with magnesium nitrate in a double replacement reaction.

a) Write the balanced equation for this reaction.

b) Write the complete ionic equation for this reaction.

c) Write the net ionic equation for this reaction.

8) Your teacher has told you to produce lithium nitrate using the reaction above. Explain how you can do this.