

Chemical Reactions Quiz Review Sheet

- 1) Write the complete, balanced chemical equation for the following reaction performed in hot water (hint: look for solubilities): *When lithium carbonate reacts with silver nitrate, silver carbonate and lithium nitrate are formed.*

- 2) What type of reaction is taking place in problem 1? _____

- 3) Write the complete ionic equation for the reaction in problem 1:

- 4) Write the net ionic equation for the reaction in problem 1:

- 5) For each of the problems below, indicate whether you believe a reaction will occur. For those that will occur, balance the equation and write the expected product(s) of the reaction, including their states. For those that will not occur, explain why not. (3 pt each)
 - _____ PbSO_4 + _____ AgBr \rightarrow

 - _____ Li_2O + _____ AlBr_3 \rightarrow

 - _____ Mg + _____ KNO_3 \rightarrow

 - _____ C_2H_4 + _____ O_2 \rightarrow

 - _____ N_2 + _____ H_2 \rightarrow