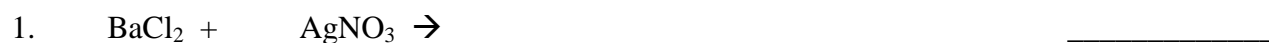


Name: \_\_\_\_\_ Period: \_\_\_\_\_ Predicting Products of Reactions I

**Part A:** Determine the type of reaction, write the products, and balanced the chemical equation.

Reaction Type

**Part B:** Mass and Mole Relationships: (show all of your work for credit)1. What is the mass of Nitrogen if you have 38.2 g of Carbon in the compound  $\text{C}_8\text{H}_7\text{N}_4\text{O}_2$ ?2. What is the mass of  $\text{N}_2\text{O}_4$  gas in a sample of 5.67 L of  $\text{N}_2\text{O}_4$ ?