Name:	

Period: _____ Subject: _____

Date:

Conservation of Matter

Solve for the appropriate value. Be sure to <u>show your work</u> and remember to use the correct number of significant figures.

1. 91.96 g of sodium is reacted with chlorine to form 233.76 g of sodium chloride. How many grams of chlorine reacted with the sodium?

2. In a flask, 20.6 grams of aluminum reacted with 200.0 g of liquid bromine to form aluminum bromide. After the reaction, 17.0 g of bromine remained unreacted. How many grams of aluminum bromide were formed?

3. 71.0 grams of substance X reacts with substance Y to form 175.2 g of compound XY. There are 20.0 g of substance Y remaining unreacted after the reaction occurs. How many grams of substance Y were present before the reaction?