1. How many grams of bromine are needed to react with 14.0 g of lithium to produce lithium bromide ? (161)

2. How many grams of aluminum chloride can be produced from the reaction of chlorine with 108 g of aluminum ? (534)

3. What mass of iodine will be liberated when 74.5 g of potassium chloride are produced from the reaction between potassium iodide and chlorine? (127)

4.	What mass of hydrogen is produced when 130.0 g of zinc react with hydrochloric acid ? $(4.0)$
5.	What mass of oxygen will be formed when 102 g of aluminum oxide decompose to form aluminum and oxygen ? (48.0)
6.	What mass of water is needed to react with potassium to form potassium hydroxide and 6.0 g of hydrogen ? (107)