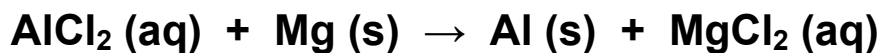
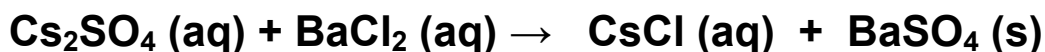


1. 15.0 g of Aluminum chloride and 15.0 g of magnesium react to produce aluminum metal and magnesium chloride. What is the amount of aluminum metal produced in this reaction?



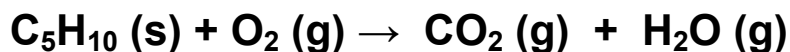
4.13 g Al

2. A reaction of 6.50 g of cesium sulfate and 6.50 g of barium chloride produce cesium chloride and barium sulfate. How much barium sulfate is produced?



4.19 g BaSO₄

3. A reaction of 25.6 g of pentane and 10.1 g of oxygen produce carbon dioxide gas and water vapor. How much carbon dioxide is produced?



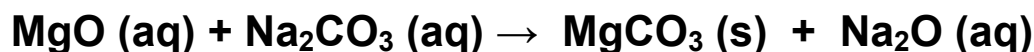
9.26 g CO₂

4. 25.5 g of zinc carbonate decomposes to form 14.7 g of zinc oxide. What is the percent yield of this reaction?



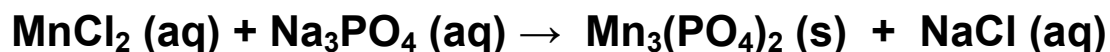
88.6% Yield

5. The reaction of 15.0 g of magnesium oxide and 15.0 g of sodium carbonate produces 8.52 g of magnesium carbonate. What is the percent yield of this reaction?



71.6% Yield

6. The reaction of 15.6 g of manganese chloride and 20.2 g of sodium phosphate produces 12.2 g of sodium chloride. What is the percent yield of this reaction?



84.1% Yield