

Limiting Reagent Worksheet

All of the questions on this worksheet involve the following reaction: When copper (II) chloride reacts with sodium nitrate, copper (II) nitrate and sodium chloride are formed.

- 1) Write the balanced equation for the reaction given above.
- 2) If 15 grams of copper (II) chloride react with 25 grams of sodium nitrate, how much sodium chloride can be formed?
- 3) What is the limiting reagent for the reaction in #2? _____
- 4) How much of the nonlimiting reagent is left over in this reaction?
- 5) If 11.2 grams of sodium chloride are formed in the reaction described in problem #2, what is the percent yield of this reaction?