

1. When 25.246 grams of silver (I) nitrate react with an excess amount of copper metal in a laboratory, 5.561 grams of silver forms. What is the percent yield of this experiment?
(*The other product of the reaction is copper (II) nitrate.*)

2. Toluene (C_7H_8) combines with nitric acid to form trinitrotoluene ($C_7H_5N_3O_6$, also known as TNT) and water.
 - a. How many pounds of TNT could be formed from 25 pounds of toluene and 15 pounds of nitric acid?
 - b. Using the starting amounts given in part (a), you end up with 5.2 pounds of TNT, what was your percent yield?