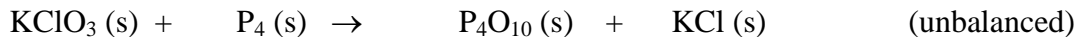


**Stoichiometry Calculation Practice Worksheet**

1. How many grams of  $\text{P}_4\text{O}_{10}$  can be produced from the reaction of 52.9 g of  $\text{KClO}_3$  with excess phosphorous as shown below:



2. How many grams of  $\text{N}_2$  can be formed from the reaction of 18.1 g of  $\text{NH}_3$  and 90.4 g of  $\text{CuO}$ , as shown below:



3. When 50.0 g of  $\text{MgCO}_3$  react completely with  $\text{H}_3\text{PO}_4$ , as shown below, 15.8 g of  $\text{CO}_2$  is produced. What is the percent yield for this reaction?



4. What mass of  $\text{F}_2$  is needed to produce 120.0 g of  $\text{PF}_3$ , as shown, if the reaction has a 78.1% yield?

