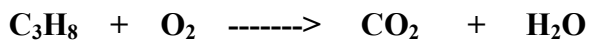


Limiting Reagent Worksheet #1

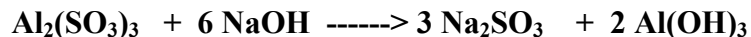
Name: _____

1. Given the following reaction: (Balance the equation first!)



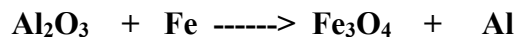
- a) If you start with 14.8 g of C_3H_8 and 3.44 g of O_2 , determine the limiting reagent
- b) determine the number of moles of carbon dioxide produced
- c) determine the number of grams of H_2O produced
- d) determine the number of grams of excess reagent left

2. Given the following equation:



- a) If 10.0 g of $\text{Al}_2(\text{SO}_3)_3$ is reacted with 10.0 g of NaOH , determine the limiting reagent
- b) Determine the number of moles of $\text{Al}(\text{OH})_3$ produced
- c) Determine the number of grams of Na_2SO_3 produced
- d) Determine the number of grams of excess reagent left over in the reaction

3. Given the following equation:



- a) If 25.4 g of Al_2O_3 is reacted with 10.2 g of Fe , determine the limiting reagent
- b) Determine the number of moles of Al produced
- c) Determine the number of grams of Fe_3O_4 produced
- d) Determine the number of grams of excess reagent left over in the reaction