

Name \_\_\_\_\_

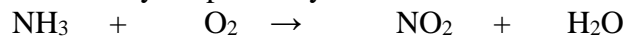
Honors Chemistry

Percent Yield

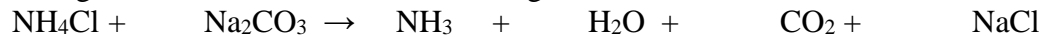
1. If the following reaction has a 75% yield, how much  $\text{Al(OH)}_3$  will be produced from 39 g of  $\text{Al}_4\text{C}_3$ , and 138 g of  $\text{H}_2\text{O}$ ?



2. If you react 39.2 g of  $\text{NH}_3$  with 66.9 g of oxygen, and you produce 44.1 g of  $\text{NO}_2$ , what was your percent yield?



3. If the following reaction has a 68.9% yield, how much  $\text{NH}_3$  will be produced from 90.0 g of ammonium chloride, and 50.0 g of sodium carbonate?



4. If you react 1.03 grams of  $\text{C}_2\text{H}_5\text{OH}$  with 15 grams of oxygen and you produce 1.5 g of carbon dioxide, what was your percent yield?

