

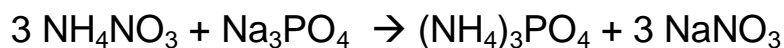
# AP Chemistry NTI Day 5

## Limiting Reagent Worksheet

For the following reactions, find the following:

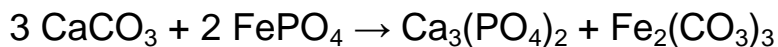
- Which of the reagents is the limiting reagent?
- What is the maximum amount of each product that can be formed?
- How much of the other reagent is left over after the reaction is complete?

- 1) Consider the following reaction:



Answer the questions above, assuming we started with 30.0 grams of ammonium nitrate and 50.0 grams of sodium phosphate.

- 2) Consider the following reaction:



Answer the questions at the top of this sheet, assuming we start with 100.0 grams of calcium carbonate and 45.0 grams of iron (III) phosphate.