Percent Yield & Limiting Reactant

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Our Goals for the Day

Reactants \Rightarrow Products

- 2 Questions to Answer...
 - How much product should a reaction create?
 - At what point will a reaction end?



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Percent Yield

- Steps:
 - 1. Write a balanced equation
 - 2. Start with a <u>reactant</u> mass
 - 3. Set goal at mass of known product
 - 4. Solve mass-mass problem
 - 5. Use result of mass-mass problem as theoretical yield in % yield equation



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Percent Yield & Limiting Reactant

Limiting Reactant

- Limiting Reactant
 - A limiting reactant is the reactant that is completely consumed in a chemical reaction
 - It <u>limits</u> the extent to which the reaction proceeds





