

4.7 Determining the Limiting Reactant and Theoretical Yield for a Reaction (Video)

This project was preformed to supply **Libretext authors** with videos on General Chemistry topics which can be used to enhance their projects. Also, these videos are meant to act as a learning resource for **all General Chemistry students**.

Video Topics

Limiting reactant problems are considered on of the fundamental concepts of general chemistry. This video presents the steps required to determine the limiting reactant of a reaction and the theoretical yield. When mixing two or more reactants sometimes one will be used up before the others. The one which is used up is called the limiting reactant. The limiting reactant determines the maximum amount of product which can be formed during a reaction which is called the theoretical yield. The limiting reactant is determined by using mole ratio conversion units obtained from the reaction's stoichiometry.

Link to Video

Determining the Limiting Reactant and Theoretical Yield for a Reaction:
<https://youtu.be/HmDm1qpNUD0>



Attribution

- Prof. Steven Farmer ([Sonoma State University](#))

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