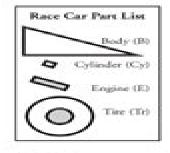
# Limiting and Excess Reactants

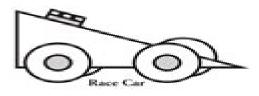
Is there enough of each chemical reactant to make a desired amount of product?

# Why?

If a factory runs out of tires while manufacturing cars, production stops. No more cars can be fully built without ordering more tires. A similar thing happens in a chemical reaction. If there are fixed amounts of reactants to work with in a chemical reaction, one of the reactants may be used up first. This prevents the production of more products. In this activity, you will look at several situations where the process or reaction is stopped because one of the required components has been used up.

# Model 1 – Assembling a Race Car





1. How many of each part are needed to construct 1 complete race car?

Body (B)

Cylinder (Cy)

Engine (E)

Tire (Tr)

2. How many of each part would be needed to construct 3 complete race cars? Show your work,

Body (B)

Cylinder (Cy)

Engine (E)

Tire (Tr)

- 3. Assuming that you have 15 cylinders and an unlimited supply of the remaining parts:
  - at. How many complete race cars can you make? Show your work.
  - How many of each remaining part would be needed to make this number of cars? Show your work.



# **Pogil Limiting And Excess Reactants Activity**

Lifeliqe

# **Pogil Limiting And Excess Reactants Activity:**

<u>Limiting Reactant and Percent</u> Lifeliqe,2019 This lesson plan covers analyzing chemical reactions in order to determine limiting reactants and excess reactants including calculating the amount of excess reactant calculate the theoretical yield of a reaction and calculating the percent yield of a reaction

# Decoding Pogil Limiting And Excess Reactants Activity: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Pogil Limiting And Excess Reactants Activity**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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