1. What is Chemical Engineering:

2. Definitions:
   - **Reaction**: When two chemicals mix together to create a new product
   - **Exothermic**: A reaction that produces heat

3. Questions:
   - What was the purpose of adding dish soap to the mixture?
   - What would happen if this reaction occurred inside a sealed container?
   - What is a catalyst?
   - A reaction that produces heat is a __________ reaction.
1. What is Chemical Engineering:

Chemical Engineers work to produce, transport, transform, and store chemicals, materials, and energy.

2. Definitions:
- **Reaction**: When two chemicals mix together to create a new product
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3. Questions:
- What was the purpose of adding dish soap to the mixture?
  
  Adding dish soap created the bubbles/foam from the oxygen released during the reaction.

- What would happen if this reaction occurred inside a sealed container?
  
  The pressure would build up inside until the container breaks, allowing all the foam to leave the container rapidly.

- What is a catalyst?
  
  Catalysts are used to speed up chemical reactions. In this experiment, the yeast acts as a catalyst to break down the hydrogen peroxide into the water and oxygen bubbles that become trapped in the dish soap.

- A reaction that produces heat is a _________ reaction.
  
  Exothermic