

Name \_\_\_\_\_

## What Is The Role Of Catalysts And Enzymes In Speeding Up Reactions?

### Multiple Choice Questions

1. What is the role of a catalyst in a chemical reaction?
  - a) To consume reactants
  - b) To lower the activation energy and speed up the reaction
  - c) To change its own properties during the reaction
  - d) To create new products
  
2. Why are catalysts important in automobile catalytic converters?
  - a) To make the car go faster
  - b) To reduce air pollution by transforming harmful gases
  - c) To improve fuel efficiency
  - d) To generate more exhaust gases
  
3. Enzymes are specialized proteins that:
  - a) Break down proteins in the body
  - b) Lower the temperature of reactions
  - c) Speed up specific chemical reactions in living organisms
  - d) Only exist in plants
  
4. Enzymes function through a mechanism similar to:
  - a) A lock and key
  - b) A hammer and nail
  - c) A magnet and metal
  - d) A ladder and wall
  
5. What is the primary role of enzymes in brewing and baking processes?
  - a) To create heat
  - b) To add flavor
  - c) To make dough rise
  - d) To accelerate chemical reactions

