

## Enzymes Objectives

Define these key terms:

Enzyme (catalyst)      substrate      active site      enzyme-substrate complex  
dehydration synthesis      hydrolysis      digestion      maltase      lipase      sucrase  
protease      lactase

- Explain how chemical reactions affect chemical bonds in compounds.
- Recognize that chemical reactions can release or absorb energy.
- Explain why enzymes are important to living things.
- Identify the organic compound that enzymes are mostly made of.
- Describe the lock and key model.
- Explain how chemical reactions are changed by factors such as enzyme concentration, temperature, and pH.
- Recognize the graphs for the effect of enzyme concentration, temperature, and pH on the rate of enzyme function.
- Recognize when enzymes are involved in the process of synthesis and digestion from an illustration.