

Enzymes

Enzymes

Grade: «grade»
Subject: «subject»
Date: «date»

- 1 **Which characteristics allows enzymes to function in a specific way?**
 - A **Enzymes are complex structures composed of starch**
 - B **Each enzyme has a characteristic shape.**
 - C **Enzymes are long, complex fats.**
 - D **Each enzyme is made of only four subunits.**

- 2 Which of the following is a protein?
 - A sucrase
 - B sucrose
 - C triglyceride
 - D maltose

- 3 **Without enzymes, the chemical reactions in the body would**
 - A **happen too fast.**
 - B **occur at much the same rate as they do with enzymes.**
 - C **require a different pH.**
 - D **occur too slowly to support life processes.**

- 4 Which of the following is the substrate in this reactions?
 - A carbohydrate
 - B protein
 - C lipid
 - D nucleic acid

- 5 Which enzyme is most likely to survive into late fall and early winter?
- A A
 - B B
 - C C
 - D D
- 6 Why does the reaction plateau?
- A the enzymes are all used up
 - B there is no substrates left
 - C the enzymes are working as fast as they can
 - D the substrate concentration is constant
- 7 Which enzyme located in a thermal Archaeobacteria?
- A A
 - B B
 - C C
 - D D
- 8 Which of the following is most likely found in a highly acidic deep thermal vent?
- A A
 - B B
 - C C
 - D D
- 9 What is the purpose of an active site?
- A it is where the substrate permanently bonds to the enzyme
 - B it is where the substrate temporarily bonds to the enzyme
 - C it is where the energy is removed
 - D it is broken after the reaction
- 10 When you add lemon to your tea and milk, it curls because the protein is
- A added
 - B removed
 - C broken down
 - D denatured

