

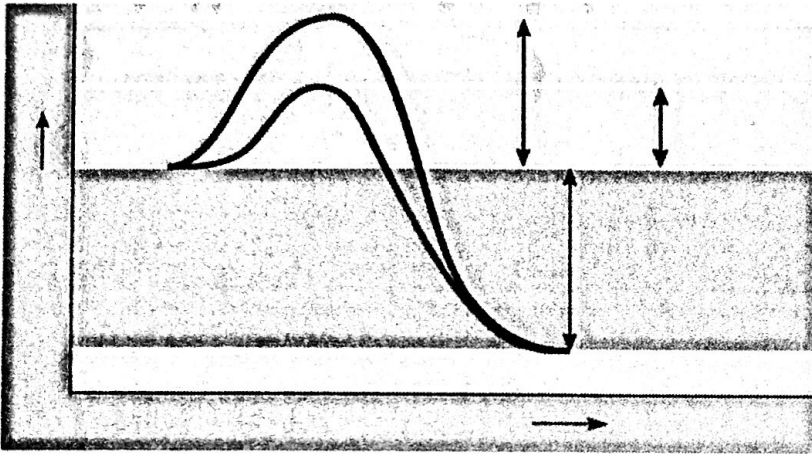
Name: _____ Period: _____ Date: _____

1. What are enzymes made of? (circle correct answer)

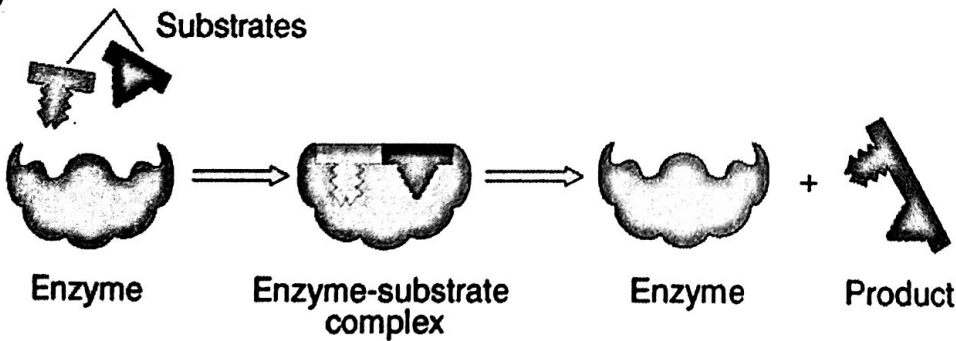
Lipids Carbohydrates Proteins Nucleic acids

2. What do enzymes do?

3. Label the following picture:

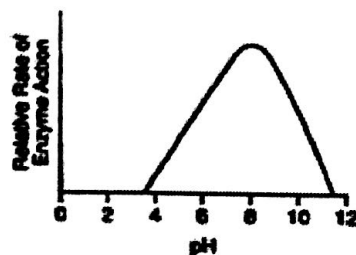
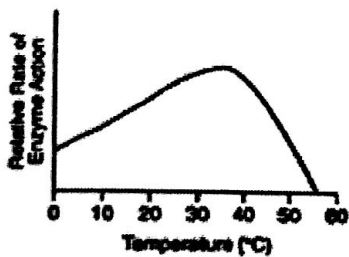


4. Label the active site below:



5. What 2 environmental conditions can affect the activity of an enzyme?

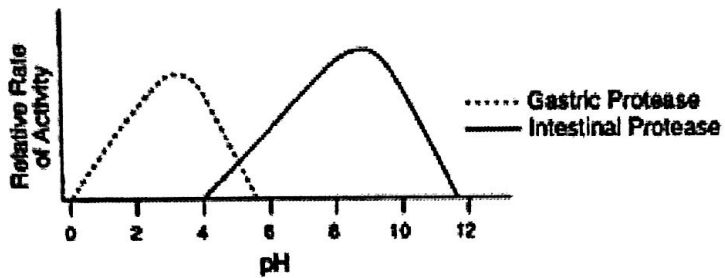
&



6. What is the optimal pH that this enzyme functions at?

7. What is the optimal temperature that this enzyme functions at?

Use the graph below to answer Questions 8, 9, & 10



8. What is the optimal pH for Intestinal Protease?

9. What is the optimal pH for Gastric Protease?

10. Which enzyme works best in a very acidic environment? (Circle your answer)

Gastric Protease

Intestinal protease

CLASS DEMONSTRATION

- Name the enzyme in the liver and potatoes that breaks down peroxide: _____.
- How do we know the enzyme is working? _____

Amoeba Sister Video "Enzymes"

- What happens when an enzyme is denature?
