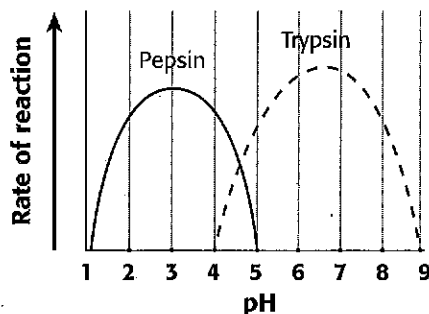


Analyzing the Effect of pH on Enzyme Activity

Background

The graph shows the relationship between pH and the activity of two digestive enzymes, pepsin and trypsin. Pepsin works in the stomach, while trypsin works in the small intestine. Use the graph to answer the following questions.

Enzymes and pH



Analysis

1. **Name** the enzyme that works best in highly acidic environments.

2. **Name** the enzyme that works best in less-acidic environments.

3. **Critical Thinking**

Analyzing Data Identify the pH value at which trypsin works best.

4. **Critical Thinking**

Analyzing Data Identify the pH value at which pepsin works best.

5. **Critical Thinking**

Inferring Relationships What does the graph indicate about the relative acidity of the stomach and small intestine?
