

Name:

Date:

QB3 – Enzyme Conditions, Active Sites, and Inhibitors

1. How do enzymes affect chemical reactions in the body?
2. What is the optimum temperature for enzymes in the body?
 - a. 0 °C
 - b. 25 °C
 - c. 30 °C
 - d. 40 °C
3. Explain how enzymes change when the temperature becomes too high.
4. Predict what will happen to the rate of reaction for an enzyme if the solution is made gradually more basic.
5. With reference to enzymes and substrate concentration, what does the 'point of saturation' mean?
6. Explain the lock and key theory of enzyme action.

