

## **Enzyme Study Questions**

1. Explain the relationship between enzyme structure and enzyme specificity.
2. Explain the induced fit model of enzyme function and why this is important to the function of the enzymes which is to lower activation energy and speed up the rate of a chemical reaction.
3. Explain how substrate concentration affects the rate of an enzyme-controlled reaction.
4. Distinguish between endergonic and exergonic chemical reactions.
5. Explain how enzyme activity can be regulated or controlled by environmental conditions, cofactors, coenzymes, and enzyme inhibitors.