

Enzyme Introduction & Regulation Handout

As you work your way through the enzyme introduction and regulation video, answer the following questions to help you collect the relevant information.

1. What are enzymes?
2. How do enzymes function? Draw a graph showing this.
3. Explain the Induced Fit Model.

4. Describe the function of co-factors and coenzymes, as well as their properties.

5. What are enzyme inhibitors? How do they work?

6. Explain and compare competitive inhibition and noncompetition inhibition.

7. What is allosteric regulation? Explain how it works.
8. Describe how feedback inhibition works in enzyme regulation.
9. Humans produce enzymes in the mouth, stomach, and small intestine that aid in the process of digestion. As we age, we tend to produce less of these enzymes. What effect could this have on digestion and nutrition?