

Bozeman Biology

Enzymes video

<http://bit.ly/VjBcBm>

1. What are enzymes? What kind of molecule is an enzyme?

2. What reaction does catalase catalyze? Write out the balanced chemical equation.

3. What is the active site and what is its function?

4. What is a substrate?

5. What kinds of regulation exist for enzymes?

a. _____

b. _____

6. What are the two types of inhibition? and define them

a. _____

b. _____

7. How do you measure rate of reaction?

8. What is the interaction between the active site and the substrate?

9. What is the advantage to using an enzyme?

10. What are two ways to activate enzymes?

a. _____

b. _____

11. What are two types of activators?

a. _____

b. _____

12. Define cofactor and give an example

13. Define coenzyme and give an example

14. Describe competitive inhibition.

15. Describe non competitive inhibition What's another name for this?

16. What is the allosteric site?

17. What are two possible ways that allosteric inhibitors affect the action of the enzyme.

a. _____

b. _____

18. How are two ways can we measure reaction rate?

19. What is the effect of temperature on enzyme action?

20. Why does rate of reaction fall with higher temperatures?
