

1. What are enzymes?

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

3. How fast does catalase work?

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

5. What kinds of regulation exist for enzymes? (2x)

6. What are the two types of inhibition? (2x)

7. How do you measure the rate of an enzymatic reaction? (2x)

8. What is the interaction between the active site and the substrate? (They are like a....)

9. What is the advantage to using an enzyme?

10. How do we turn enzymes on? (2x)

11. What are the two types of activators?
12. Define cofactor and give an example of one.
13. Define coenzyme and give an example.
14. Describe competitive inhibition.
15. What is another name for non-competitive inhibition? Describe non-competitive inhibition.
16. What is the allosteric site?
17. What are two possible ways that allosteric inhibitors affect the action of the enzyme?
18. What are the two ways that we can measure reaction rate.
19. What is the correlation between temperature and enzyme activity?