

ENZYMES

Go to the website below and enter the lesson code.

ScienceSauceOnline.com

Enter lesson code:

01401

Instructions

Watch the video, and answer the following questions:

1. What is an enzyme?

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2. Name the site of the enzyme that a substrate fits into.

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3. Explain why the shape of an enzyme is important.

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4. What name is given to the structure when an enzyme and a substrate are joined together?

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5. a) Explain, in terms of collisions, why enzyme-catalysed reactions will be slower at a lower temperature.

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b) Explain why enzyme-catalysed reaction rates will decrease when the temperature becomes too high.

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[Questions continue on the next page]



6. Complete the graph below to show what effect an increase in substrate concentration would have on the rate of an enzyme catalyzed reaction.

