

AP Biology Lab 2 Write Up – Enzyme Catalysts

BACKGROUND:

Read the background information on enzymes and answer the following questions

1. Explain how the shape of enzymes is important to their catalytic activity
2. What is a function of catalyze.
3. How can kinetics help the understanding of enzymatic activity?
4. What does figure 1 indicate about enzymatic activity?
5. Explain what initial velocity refers to with respect to reaction rate

Procedure:

General Lab Procedure: paragraph summary of lab set up

Part A:

Procedure: summary

Data: create a data table

Graph: create a graph of your data (all graphs may be done at the end of the lab)

Repeat for parts B-F (you will collect the data for A and B, but will only do one of the experiments for C-F. However the data for C-F will be shared so you can complete each section)

Analysis:

Answer all questions completely (1-12). Use complete sentences, you do not need to write the question.