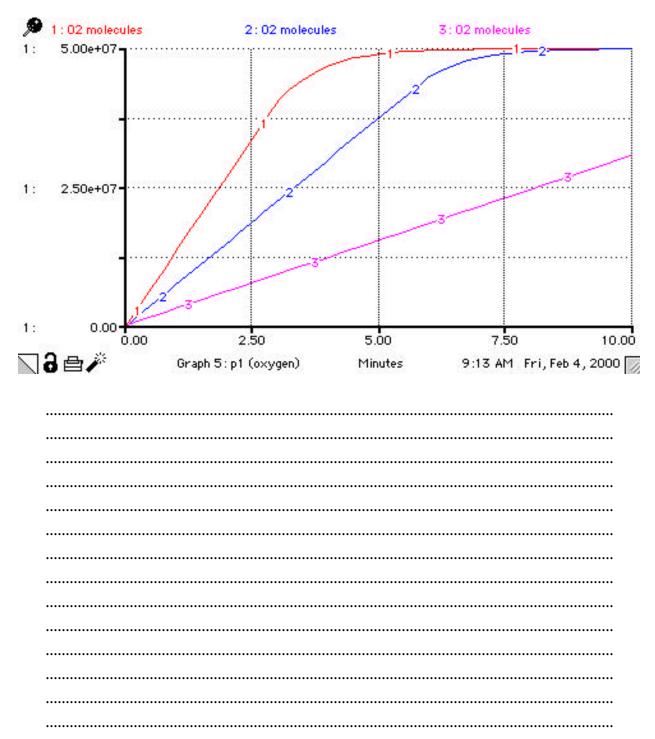
TEACHER NAME	STUDENT NAME
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## **ENZYME**

- 1. The curves on the graph below represent the amounts of oxygen created during a reaction between the enzyme catalase and hydrogen peroxide in an experiment conducted under three different conditions.
  - Describe and interpret each of the curves with regard to the speed of the reaction being displayed.
  - Describe, in general, what is happening in the enzyme reaction. What conditions could account for the varying results as shown by the graph?



2. Computer models are tools for learning about the things they are meant to resemble. A model's usefulness in understanding a real world situation can be determined by examining the assumptions underlying the model and by comparing its output to actual observations in the real world.
• Determine the usefulness of the enzyme model by describing at least two similarities between the model and science lab or real world outcomes. Give specific details to support your answer.
<ul> <li>Describe at least one limitation of the enzyme model with respect to its ability to replicate real world behavior.</li> </ul>