

Name: \_\_\_\_\_

Date: \_\_\_\_\_

DATA:

TUBE #	CONTENTS	HYPOTHESIS	OBSERVATION (Bubbles? Oxygen?)	INTERPRETATIONS

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Post-Lab Questions:**

1. What is the substrate in the chemical reaction?
2. What is the test for the presence of oxygen? Explain.
3. Which liver enzyme worked the best? Why?
4. Why did you include test tube 1 in the experiment?
5. What does boiling do to the catalase enzyme?
6. Describe three functions of enzymes in the human body.
7. Explain how enzyme function is like a lock and key. (You may draw and label a diagram *in addition to* writing an explanation if that makes it easier for you.)
8. The function of the liver is to break down fats and build certain proteins. Cirrhosis of the liver is a disease which causes the liver to become thickened and "rubbery." Though it has many causes, one of the most common is due to constant exposure to harmful substances such as alcohol. Hypothesize how enzyme function in the liver would be affected in a person with cirrhosis.