



Pre Lab Questions:

In your own words, answer the following questions.

1. What is lactose?
2. What does it mean to be lactose intolerant?

During Lab Observations:

Record your observations in the chart below.

	Test Strip Color	Glucose Present? Yes or No
Milk without Enzyme Test Strip #1		
Milk with Enzyme (30 sec.) Test Strip #2		
Milk with Enzyme (1 min.) Test Strip #3		

Review your pre-lab questions. Were your answers correct? If not, take this opportunity to correct them now.

Post Lab Questions:

1. Identify the enzyme and substrate used in this laboratory.
2. Why did we test the milk in this experiment for the presence of glucose? What does the presence of glucose indicate?
3. During the experiment, we noticed that the concentration of lactose changed over time. Why did this change occur? Draw two different lines on the chart below, one for lactose and one for glucose, showing the way their concentrations changed over time.

