



Record your data in the data table below:

**Table 1: Observations of the Reactions between Potato and Hydrogen Peroxide at Different Temperatures**

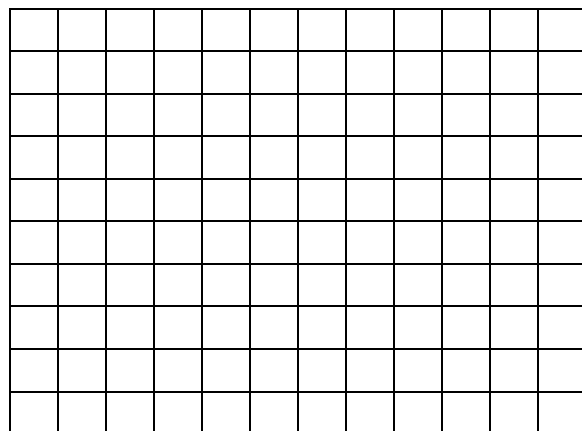
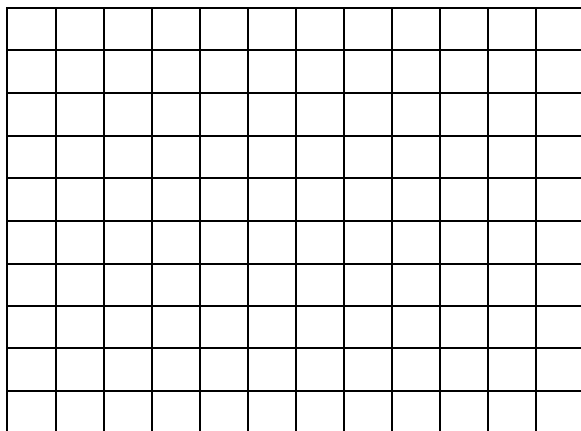
	ROOM TEMP 21 °C	BODY TEMP 37 °C	BOILING 100 °C
SPEED (# of seconds before bubbling started)			
STRENGTH (description and rating 1-10)			

**Results:**

Create **two** bar graphs using the data you collected in Table 1. Ensure you label your axes and title your graphs:

1. Bar Graph 1: Strength versus Temperature
2. Bar Graph 2: Speed versus Temperature

**Note:** If any of the reactions never started (the speed was infinite) note that appropriately in your graph.



**Analysis and Conclusion Questions:**

1. At what temperature was the enzyme most effective (include the additional data into your answer)?
2. Why do you think the enzyme work better at that temperature?
3. Define the term *denature*.
4. At what temperature was the enzyme denatured?
5. What does this mean about what happened to the enzyme we used in the experiment at that temperature?