Liver Enzyme Lab – online version

- Video1 – Enzymes by Amoeba Sisters – 5:40min
  - https://www.youtube.com/watch?v=qgVFkRn8f10
- Video2 – Liver in H2O2 – 2:30min
  - https://www.youtube.com/watch?v=vHX0gp1N2M4
- Video3 – Biology Catalase Liver Lab – 2:30min
  - https://www.youtube.com/watch?v=TNa8RE5O-EM

Watch Video 1. Copy and complete these items on notebook paper.

1) An enzyme is a special type of __________.
2) Enzymes ___________________ a chemical reaction
3) Denatured means ____________

Watch Video 2. Copy and complete these items on notebook paper.

4) When the liver was dropped into the first tube of hydrogen peroxide it ______
5) When the liver was dropped into the second tube of hydrogen peroxide it _____
6) This shows that enzymes ______________

Watch Video 3. During the video complete a lab write up about the experiment that is performed. Include these items:

Title:
Problem:
IV:
DV:
Hypothesis:
Procedure: (Sketch with labels OR paragraph summary)
Data: (Design a data table to fit the data and fill in what data is provided)
Conclusion: (Write a conclusion about the experiment)
Analysis Items: (Answer these questions)
   1) What was the name of the enzyme being tested?
   2) When the enzyme (liver) was heated, the reaction was much less. Describe why this was the case. What happened to the enzyme?
   3) What are several controlled variables in this experiment (or ones that should be)?
   4) What are other factors that can affect the functioning of an enzyme?