

AP/IB Biology: Enzyme PreLab Exercise

1. What is the role enzymes play in a chemical reaction?
2. What is activation energy?
3. Why is shape important to enzyme function ? (2 reasons)
4. What factors influence an enzymes optimum reaction conditions.
5. What is the optimum pH range and temperature range for peroxidase?
6. Name two common groups that enzymes are classified in based on their ability to “build up” and “break down”.

7. What does the enzyme Rubisco do?

8. Which enzyme will you be working with in this lab and what is the source?

9. What is the purpose of peroxidase?

10. List the specific decomposition reaction that we will be observing.

11. What purpose does guaiacol serve in our experiment and how will you know if a change has occurred?