

BIO 183 labs Summer 2023

Individual Take Home Assignment for Enzyme Lab 2, 30 pts

Due at the start of your Cellular Respiration lab

(June 1, 2023)

1. State your hypothesis for your Enzyme experiment (Act. 2 Procedure D). (2 pts)
2. Write the **Introduction and Results** sections overviewing the Enzyme lab Activity 2 Procedures C and D as if you were writing a laboratory report. (18 pts)
 - o Introduction (7)
 - o Results with graph (11 pts) – *graphs should include trendlines and equations for all graphed data. (see Resources webpages - Appendix D p. 203 & 204)*

If you are unsure of what writing a lab report Introduction and Results sections entail, check out the lab website Resources page and/or the following weblink:

LabWrite: https://labwrite.ncsu.edu/Experimental%20Design/Exp_PO.htm

Your Results section should encompass all Data from Act. 2 Procedure D: descriptive title, labeled axes, units on axes, a descriptive legend (if appropriate) and appropriate graph type to best represent the data. Be sure to add **trendlines** and **equations** for all lines.

3. Find one example of primary literature and use it in your Introduction to further help discuss the environmental factor studied at your table. Each group member should find a different paper from their other group members. (3 pts)
4. Provide a digital copy of the front page including the Abstract of this primary literature paper and write an explanation on how you would use the information in the paper in regards to interpreting your own group's results? (4 pts)
5. What real world advantages or problems might your environmental factor present for living organisms? (3 pts)