

AP Biology: Lab 13 Enzyme Activity

Directions:

- Share your report via OneDrive or Google Docs (whatever you are more comfortable).
- Highlight in yellow **each item** you addressed from the items listed below in the report you submitted.
- Highlight **each item** you added in green (these are the edits and additions you made to your paper).
- Upload a **Microsoft Word Document** to Teams

Section 1: Introduction and guiding question

- 1) Did the author explain the relationship among photon absorption, electron movement, proton gradient, and ATP synthesis?
- 2) Did the author explain how the products of photosystems II and I (ATP and NADPH), are used in the Calvin cycle to fix CO₂?
- 3) Did the author explain how biotic and abiotic factors could affect photosynthesis?
- 4) Did the author explain their reasoning for making their claim and/or how the background information is related to the guiding question or claim?

Section 2: Method

- 5) Did the author explain what data they collected and why they collected it?
- 6) Did the author describe their control group?
- 7) Did the author explain what an increase or decrease in O₂ or CO₂ means in terms of cellular respiration and photosynthesis?
- 8) Did the author explain why they chose the type of chart they used to illustrate their data?

Section 3: Argument (presentation and analysis of evidence)

- 9) Did the author embed a hand-written chart within the text of the argument in a logical place?

Section 3: Argument (justification)

- 10) Is there a clear knowledge component?
- 11) Did the author explain how the knowledge led to the claim?
- 12) Is there specific data from the analysis that is related to the knowledge? (Not all data from the analysis is relevant to your claim)
- 13) Did the author identify the key data points that support or refute his/her claim?
- 14) Is there an explanation of how the data from the analysis supports the claim?