

AP Biology: Lab 5 Photosynthesis Peer Review

Report by _____

Reviewed by _____ Reviewed by _____ Reviewed by _____

<p>YOU MUST ADDRESS THE FOLLOWING WORDS AND CONCEPTS IN YOUR INTRODUCTION:</p> <p>Abiotic and/or biotic factors, photons, wavelength, chlorophyll, photosystems II and I, ATP, NADPH, O₂, CO₂, H₂O, equations for photosynthesis and cellular respiration, rate, electrons, proton gradient, electron carrier, proton pump, Calvin cycle</p>	<p>Section 1: Introduction and Guiding Question</p>		<p>Reviewer Rating</p>			
	<p>Is there enough background information and is it accurate?</p>		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	
	<p>Is the guiding question explicit and did the author EXPLAIN HOW the question is related to the background information?</p>		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	
	<p>Reviewers: EXPLAIN HOW the author could improve this part of his or her report.</p>					
<p>Section 2: Method</p>				<p>Reviewer Rating</p>		
<p>Did the author describe the procedures and EXPLAIN WHY the procedures were used?</p>				<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
<p>Did the author describe what data were collected and EXPLAIN WHY the data were collected?</p>				<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
<p>Reviewers: EXPLAIN HOW the author could improve this part of his or her report.</p>						

Section 3: The Argument		Reviewer Rating		
Did the author make a claim consistent with the evidence that answers the guiding question?		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Quality of Evidence	Did the author describe how he/she analyzed the data and EXPLAIN WHY the analysis helped him/her answer the guiding question?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
	Is the analysis of the data appropriate and free from errors?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
	Is the author's interpretation of the analysis valid?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
	MANDATORY DATA: Light intensity, rate of change in net photosynthetic rate, 1/ET₅₀	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Presentation of Evidence	Are tables and graphs correctly formatted, labeled, and are metric units used?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
	Are specific values from tables and graphs referenced in the body of the text?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Justification of Evidence	Did the author state WHAT scientific concept is being defended?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
	Did the author DESCRIBE the data from their analysis used as evidence in support of the scientific concept?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
	Did the author EXPLAIN HOW the evidence supports the underlying scientific concept?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Reviewers: EXPLAIN HOW the author could improve this part of his or her report.				
Mechanics		Reviewer Rating		
Organization: Is each section easy to follow? Do paragraphs include multiple sentences: Do paragraphs begin with a topic sentence?		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Grammar: Are the sentences complete? Is there proper subject-verb agreement in each sentence? Are there run-on sentences?		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Conventions: Did the author use appropriate spelling, punctuation, paragraphing and capitalization:		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Word Choice: Did the author use the appropriate words (e.g., there vs. their, to vs. too, than vs. then, etc.)?		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Fluency: Does the paper as a whole flow well? Do the sections follow each other to give a complete idea of the lab?		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input checked="" type="checkbox"/> Yes