

## AP Biology: Lab 06 Cellular Respiration Peer Review

Report by \_\_\_\_\_

Reviewed by \_\_\_\_\_ Reviewed by \_\_\_\_\_ Reviewed by \_\_\_\_\_

<p><b>YOU MUST ADDRESS THE FOLLOWING WORDS AND CONCEPTS IN YOUR INTRODUCTION:</b></p> <p>The equation for cellular respiration, enzyme activity and structure, glycolysis, citric acid cycle, electron transport chain, substrate level phosphorylation, oxidative phosphorylation, ATP, NADH, cytoplasm, mitochondria, proton motive force, ATP synthase, abiotic or biotic factor(s) and how it(they) could have affected the rate of cellular respiration</p>	<p><b>Section 1: Introduction and Guiding Question</b></p>		<p><b>Reviewer Rating</b></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 <b>EXPLAIN HOW</b> the question is related to the background information?</p>		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	
<p>Reviewers: <b>EXPLAIN HOW</b> the author could improve this part of his or her report.</p>		<p>Author: What revisions did you make in your report?</p>				
<p><b>Section 2: Method</b></p>				<p><b>Reviewer Rating</b></p>		
<p>Did the author describe the procedures and <b>EXPLAIN WHY</b> 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 <b>EXPLAIN WHY</b> the data were collected?</p>				<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
<p>Reviewers: <b>EXPLAIN HOW</b> the author could improve this part of his or her report.</p>		<p>Author: What revisions did you make in your 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 <b>EXPLAIN WHY</b> 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
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
	<b>MANDATORY DATA:</b> Respiration rate, comparison of O <sub>2</sub> production and CO <sub>2</sub> consumption	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Justification of Evidence	Did the author state <b>WHAT</b> scientific concept is being defended?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
	Did the author <b>DESCRIBE</b> 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 <b>EXPLAIN HOW</b> the evidence supports the underlying scientific concept?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Did the author <b>EXPLAIN HOW</b> his or her claim agrees with the claims made by other groups and <b>PROVIDE REASONS</b> for disagreements?		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Reviewers: <b>EXPLAIN HOW</b> the author could improve this part of his or her report.		Author: What revisions did you make in your report?		
<b>Mechanics</b>		<b>Reviewer Rating</b>		
<b>Organization:</b> 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
<b>Grammar:</b> 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
<b>Conventions:</b> Did the author use appropriate spelling, punctuation, paragraphing and capitalization:		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
<b>Word Choice:</b> 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
<b>Fluency:</b> 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

