

Anatomy & Physiology: How do physiological changes affect minute ventilation?

Report by _____

Reviewed by _____ Reviewed by _____ Reviewed by _____

<p>YOU MUST ADDRESS THE FOLLOWING WORDS AND CONCEPTS IN YOUR INTRODUCTION:</p> <p>Minute ventilation, respiratory rate, tidal volume, cellular respiration (O₂, CO₂, ATP), pH homeostasis, carbonic acid, inspiratory reserve volume, expiratory reserve volume</p>	Section 1: Introduction and Guiding Question		Reviewer Rating				
	Is there enough background information and is it accurate?		<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes		
	Is the guiding question explicit and did the author EXPLAIN HOW the question is related to the background information?		<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.	Author: What revisions did you make in your report?					
Section 2: Method					Reviewer Rating		
Did the author describe the procedures and EXPLAIN WHY the procedures were used?					<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Did the author describe what data were collected and EXPLAIN WHY the data were collected?					<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.			Author: What revisions did you make in your report?				

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 checked="" 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: average tidal volume, average ventilation rate, minute volume	<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
Did the author EXPLAIN HOW his or her claim agrees with the claims made by other groups and PROVIDE REASONS for disagreements?		<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.		Author: What revisions did you make in your 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