Rubric for Reviewing Full Lab Report
CH201

Name:_____   Experiment:_____

Abstract

Element	Poor	Fair	Great	Comments
Topic: Brief introduction to the topic as well as includes a reason for the study.	5	10	15	
Problem: What problem does this work attempt to solve? What is the main thesis?	5	10	15	
Methodology: Brief description of experimentation used.	5	10	15	
Results: Brief summarization of results found in the study	5	10	15	
Implications/Conclusions: What changes should be implemented as a result of this work? How does this work add to the body of knowledge of this topic?	5	10	15	
Language/Grammar: Is the language the author uses clear and concise and is proper grammar and syntax used.	5	10	15	
Word Count: Abstracts should be short and concise, no longer than 150 words.	1	3	5	
Key Words: A list of key words or terms that enables work to be found using a search engine or database.	1	3	5	

Total Score: _____/100   Reviewed by: _____

Resources for further guidance
http://abacus.bates.edu/~ganderso/biology/resources/writing/HTWsections.html
https://facultystaff.richmond.edu/~ggilfoyl/intermediate/writing.pdf

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Introduction

Element	Poor	Fair	Great	Comments
Topic: What is being studied?	5	10	15	
History of topic: What is already known about this topic?	5	10	15	
Significance of topic: Why is this important? Why should the reader care?	5	10	15	
Hypothesis: What question will this study answer?	5	10	15	
Implications: How will this study advance our knowledge of this topic?	5	10	15	
Language/Grammar: Is the language the author uses clear and concise and is proper grammar and syntax used?	5	10	15	
Structure: Does the information start out generalized and become more specific?	1	3	5	
Citations: Are previous studies properly cited?	1	3	5	

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Methods/Materials

Element	Poor	Fair	Great	Comments
Subject: What organism/molecule is being analyzed? Was it synthesized in lab or purchased and from where?	5	10	15	
Reagents: What other reagents, chemicals are being used - aka- your ligand? Vendor? Purity?	5	10	15	
Experiment: How was the experiment structured and performed? What controls were used? What will the experiments tell us?	5	10	15	
Collecting Data: How were experiments carried out? What were the parameters?	5	10	15	
Data analysis: How was the data analyzed, what software was used?	5	10	15	
Language/Grammar: Is the language the author uses clear and concise and is proper grammar and syntax used?	5	10	15	
Structure: Are the methods clearly understood? Could you repeat the experiments if given only this paper?	1	3	5	
Citations: Are previous studies properly cited?	1	3	5	

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Results

Element	Poor	Fair	Great	Comments
Findings: What are the results of each experiment? Are results reported and not discussed?	10	20	30	
Statistics: Have the results been shown to have significance based on statistical analysis?	5	10	15	
Tables: Are tables properly used and formatted correctly?	5	10	15	
Figures: Are figures properly used and formatted correctly?	5	10	15	
Language/Grammar: Is the language the author uses clear and concise and is proper grammar and syntax used?	5	10	15	
Structure: Are subheadings used? Do tables and figures help logically illustrate the findings as a whole?	1	3	5	
Citations: Are previous studies properly cited?	1	3	5	

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Discussion

Element	Poor	Fair	Great	Comments
Interpret Results: What are the implications and significance of the results? Can generalizations be drawn from the results?	5	10	15	
Limitations: What limitations were found in the experimentation? Are there questions left unanswered?	5	10	15	
Compare: How do results from these experiments compare with previous work?	5	10	15	
Alternatives: Have new questions arisen due to findings? Were there surprises? Propose alternative hypotheses if necessary.	5	10	15	
Future Study: Are there suggestions (with supporting reasons) for future studies?	5	10	15	
Language/Grammar: Is the language the author uses clear and concise and is proper grammar and syntax used?	5	10	15	
Structure: Are the methods clearly understood? Could you repeat the experiments if given only this paper?	1	3	5	
Citations: Are previous studies properly cited?	1	3	5	

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