



Physics Experiment Report Rubric

Criteria	1	2	3	4	5
Abstract (÷2)	<ul style="list-style-type: none"> Abstract not well thought out or written 	<ul style="list-style-type: none"> Abstract gives little insight as to the contents of the report 	<ul style="list-style-type: none"> Abstract summarizes the contents of the report and experiment 	<ul style="list-style-type: none"> Abstract is a well written summary of the report and experiment Weakly intrigues the reader 	<ul style="list-style-type: none"> Abstract is excellent in its summary of the report and experiment as it includes all key points Strongly intrigues the reader
Introduction & Hypothesis	<ul style="list-style-type: none"> Predicted results and hypothesized relationship between variables not stated 	<ul style="list-style-type: none"> Predicted results and hypothesized relationship between variables are unclear 	<ul style="list-style-type: none"> Predicted results and hypothesized relationship between variables stated and appear reasonable 	<ul style="list-style-type: none"> Predicted results and hypothesized relationship between variables stated 	<ul style="list-style-type: none"> Predicted results and hypothesized relationship between variables clearly stated and reasonable
Materials (÷2)	<ul style="list-style-type: none"> There is not a list of the necessary lab materials 	<ul style="list-style-type: none"> Most lab materials included 	<ul style="list-style-type: none"> All necessary lab materials included but not listed in any particular order 	<ul style="list-style-type: none"> All necessary lab materials included and listed 	<ul style="list-style-type: none"> All necessary lab materials included and listed in an organized manner
Procedure	<ul style="list-style-type: none"> Procedures are not listed 	<ul style="list-style-type: none"> Procedures are included but not it is not clear and information is missing 	<ul style="list-style-type: none"> Procedures are included but not clearly written Procedures are not coherent 	<ul style="list-style-type: none"> Procedures are included and written in the correct order Procedures are written with excellent grammar that the reader can understand 	<ul style="list-style-type: none"> Procedures are written in the correct order with excellent grammar that the reader can understand Diagrams/images are included to describe the set-up (if no diagrams/images possible then clearly describe the apparatus)
Data (×2)	<ul style="list-style-type: none"> Data is not represented or is not accurate 	<ul style="list-style-type: none"> Data lacks precision Data loosely related to hypothesis 	<ul style="list-style-type: none"> Good representation of the data using tables and/or graphs Precision is acceptable 	<ul style="list-style-type: none"> Accurate representation of the data using tables and/or graphs Data is fairly precise Graphs and tables are referred to in the text 	<ul style="list-style-type: none"> Accurate representation of the data using tables and/or graphs Graphs and tables are labeled and titled for easy referral from the text Data is precise Graphs and tables are referred to in the text
Analysis (×2)	<ul style="list-style-type: none"> Trends/patterns are not analyzed Analysis is not relevant 	<ul style="list-style-type: none"> Trends/patterns are not analyzed Analysis is inconsistent 	<ul style="list-style-type: none"> Trends/patterns are logically analyzed for the most part Analysis is general 	<ul style="list-style-type: none"> Trends/patterns are logically analyzed Analysis is thoughtful Evidence of research 	<ul style="list-style-type: none"> Trends/patterns are logically analyzed Analysis is insightful Similar experiments are researched
Error Analysis (×2)	<ul style="list-style-type: none"> There is no discussion of experimental errors 	<ul style="list-style-type: none"> Some experimental errors are identified Video tracked twice 	<ul style="list-style-type: none"> Experimental errors and their effects are discussed Video tracked three times 	<ul style="list-style-type: none"> Experimental errors are determined Their effects are discussed SEM is calculated Video tracked four times 	<ul style="list-style-type: none"> Experimental errors are determined Their effect and ways to reduce errors are discussed SEM is calculated Video tracked four times
Conclusion	<ul style="list-style-type: none"> No conclusion was included or shows little effort and reflection on the experiment 	<ul style="list-style-type: none"> A statement of the results is incomplete with little reflection on the experiment 	<ul style="list-style-type: none"> A statement of the results of the experiment indicates whether results support the hypothesis 	<ul style="list-style-type: none"> Accurate statement of the results of the experiment indicates whether results support the hypothesis Possible sources of error identified 	<ul style="list-style-type: none"> Accurate statement of the results of experiment indicates whether results support hypothesis Possible sources of error and what was learned from the experiment are discussed



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Comments

/50