Lab Report Rubric

Edgenuity

	Question and Procedure	Data	Analysis and Conclusion	Organization	Mechanics and Conventions
	The extent to which the report demonstrates a clearly identified question and a numbered list of procedural steps.	*The extent to which the report demonstrates an accurate, clear, and organized presentation of the information gathered during the lab procedure.*	*The extent to which the report demonstrates a thorough analysis and conclusion.*	*The extent to which the report follows the lab report guidelines.*	*The extent to which the report demonstrates control of conventions, including paragraphing, grammar, punctuation, and spelling.*
Weight	20%	30%	30%	10%	10%
6	**Very Effective** The question to be answered during the lab is clearly identified and stated. Procedures are listed in clear steps. Each step is numbered and is written as a complete sentence.	**Very Effective** Raw data are collected accurately within an acceptable margin of error. Data tables are labeled properly and neatly displayed.	**Very Effective** The conclusion discusses whether the findings supported the hypothesis, what the possible sources of error were, and what was learned from the experiment. The claim is accurate and supported by relevant evidence and reasoning components. The relationship between the variables is discussed, and trends and patterns are logically analyzed. Predictions are made about what might happen if part of the lab were changed or how the experimental design could be changed.	**Very Effective** The lab report effectively follows all lab report guidelines. It includes all major elements of a lab report, meets the teacher's content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing.	**Very Effective** There are few or no errors in grammar, mechanics, punctuation, and spelling.
5	**Good** The question to be answered during the lab is clearly identified and stated. Procedures are listed in a logical order, but steps are not numbered or are not written in complete sentences.	**Good** Raw data are collected accurately within an acceptable margin of error. Data tables are present, but they are not labeled properly or are not neatly displayed.	**Good** The conclusion discusses whether the findings supported the hypothesis, what the possible sources of error were, and what was learned from the experiment. The claim is accurate and supported by the evidence component only. The relationship between the variables is discussed, and trends and patterns are logically analyzed. Predictions are not made.	**Good** The lab report effectively follows most of the lab report guidelines but is missing one of the following expectations: includes all major elements of a lab report, meets the teacher's content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing.	**Good** There are few errors in grammar, mechanics, punctuation, and spelling, and they do not interfere with the content of the report.
4	**Adequate** The question to be answered during the lab is identified, but it is stated in a somewhat unclear manner. Procedures are listed in a logical order, but steps are not numbered or are not written in complete sentences.	**Adequate** Raw data are collected accurately within an acceptable margin of error, but they are not logically displayed in data tables.	**Adequate** The conclusion discusses some, but not all, of the following points: whether the findings supported the hypothesis, what the possible sources of error were, and what was learned from the experiment. The claim is accurate, but it was not supported by the evidence and reasoning components provided. The	**Adequate** The lab report effectively follows most of the lab report guidelines but is missing two of the following expectations: includes all major elements of a lab report, meets the teacher's content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing.	**Adequate** There are some errors in grammar, mechanics, punctuation, and spelling that do not significantly interfere with the content of the report.

			relationship between the variables is discussed, and trends and patterns are logically analyzed. Predictions are not made.		
3	**Limited** The question to be answered during the lab is partially identified, and it is stated in a somewhat unclear manner. Procedures are listed but are not presented in a logical order or are difficult to follow.	**Limited** Raw data are collected, but not within an acceptable margin of error. Data tables are labeled properly and neatly displayed.	**Limited** The conclusion discusses some, but not all, of the following points: whether the findings supported the hypothesis, what the possible sources of error were, and what was learned from the experiment. The claim is accurate, but evidence and reasoning components are not provided. The relationship between the variables is discussed, but trends and patterns are not logically analyzed. Predictions are not made.	**Limited** The lab report follows some of the lab report guidelines but is missing three of the following expectations: includes all major elements of a lab report, meets the teacher's content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing.	**Limited** There are several noticeable errors in grammar, mechanics, punctuation, and spelling that may interfere with the content of the report.
2	**Minimal** The question to be answered during the lab is incorrect or irrelevant. Procedures do not accurately list the steps of the experiment.	**Minimal** Raw data are collected, but not within an acceptable margin of error. Data are not logically displayed in data tables.	**Minimal** The conclusion is focused only on findings and does not discuss what the possible sources of error were or what was learned. The claim is inaccurate. The relationship between variables is not identified, and predictions are not made.	**Minimal** The lab report contains the major elements of a lab report, but it is disorganized and lacks scientific reasoning.	**Minimal** There are patterns of errors in grammar, mechanics, punctuation, and spelling that substantially interfere with the content of the report.
1	**Inadequate** The question to be answered during the lab is not stated, and no procedure is listed.	**Inadequate** Data are absent or incomplete.	**Inadequate** The analysis, predictions, and conclusion are missing from the lab report.	**Inadequate** The lab report lacks all major elements of a lab report, does not meet the teacher's content and format expectations, is not clearly organized and formatted, and does not demonstrate strong scientific reasoning and writing.	**Inadequate** The errors in grammar, mechanics, punctuation, and spelling are so severe that they significantly interfere with the content of the report.