

Science Lab/Investigation Report Rubric

Name: _____

	Excellent - 4	Good – 3	Satisfactory- 2	Needs Improvement -1
Components of the Report	All required elements are present and additional elements that add to the report (e.g., thoughtful comments, graphics) have been added.	All required elements are present.	One required element is missing, but additional elements that add to the report (e.g., thoughtful comments, graphics) have been added.	Several required elements are missing.
Question / Purpose	The purpose of the lab or the question to be answered is clearly identified and stated.	The purpose of the lab or the question to be answered is identified, but is stated in a somewhat unclear manner.	The purpose of the lab or the question to be answered during the lab is partially identified, and is stated in a somewhat unclear manner.	The purpose of the lab or the question to be answered during the lab is erroneous or irrelevant.
Experimental Hypothesis	Hypothesized relationship between the variables and the predicted results is clear and reasonable based on what has been studied.	Hypothesized relationship between the variables and the predicted results is reasonable based on general knowledge and observations.	Hypothesized relationship between the variables and the predicted results has been stated, but appears to be based on flawed logic.	No hypothesis has been stated.
Materials / Setup	All materials and setup used in the experiment are clearly and accurately described.	Almost all materials and the setup used in the experiment are clearly and accurately described.	Most of the materials and the setup used in the experiment are accurately described.	Many materials are described inaccurately OR are not described at all.
Experimental Design & Procedures	Experimental design is a well-constructed test of the stated hypothesis. Procedures are listed in clear steps. Each step is numbered and is a complete sentence.	Experimental design is adequate to test the hypothesis, but leaves some unanswered questions. Procedures are listed in a logical order, but steps are not numbered and/or are not in complete sentences.	Experimental design is relevant to the hypothesis, but is not a complete test. Procedures are listed but are not in a logical order or are difficult to follow.	Experimental design is not relevant to the hypothesis. Procedures do not accurately list the steps of the experiment.
Data	Neat looking and accurate representation of the data written, and in tables and/or graphs. Graphs and tables are labeled and titled.	Accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled.	Accurate representation of the data in written form, but no graphs or tables is presented.	Data are not shown OR are inaccurate.
Drawings / Diagrams	Clear, accurate diagrams are included and make the experiment easier to understand. Diagrams are labeled neatly and accurately.	Diagrams are included and are labeled neatly and accurately.	Diagrams are included and are labeled.	Needed diagrams are missing OR are missing important labels.
Conclusion	Conclusion includes whether the findings supported the hypothesis, possible sources of error, and what was learned from the experiment.	Conclusion includes whether the findings supported the hypothesis and what was learned from the experiment.	Conclusion includes what was learned from the experiment.	No conclusion was included in the report OR shows little effort and reflection.

TOTAL POINTS	_____	/60	=	_____	%