

SCORING RUBRIC FOR LAB WRITE-UP

Scoring Feature	Performance Level					
	1	2	3	4	5	6
Purpose	Hypothesis/purpose is simplistic, unclear, unrelated to the investigation, or absent.	Hypothesis/purpose is related to the investigation. Statement may be vague or generalized.	Hypothesis/purpose is specifically related to the investigation.	Hypothesis/purpose is specifically related to the investigation. Some rationale or explanation is offered.		Hypothesis/purpose is clearly and specifically related to the investigation. Rationale is developed.
Scientific Understanding	Information and explanations are inaccurate, oversimplified, unconnected, or absent. Major misconceptions may be evident.	Basic information is accurate. Explanations are inaccurate or oversimplified. Connections are weak or absent. Major misconceptions may be evident.	Basic information is accurate. Explanations are accurate but simplified. Connections are weak. Minor misconceptions may be evident.	Basic and complex information is accurate. Explanations are accurate and clear. Connections are presented. Minor misconceptions may be evident.	Basic and complex information is accurate. Explanations are accurate, clear, and well developed. Connections are developed.	Basic and complex information is accurate. Explanations are accurate, clear, insightful and thoroughly developed. Connections are well developed. There is no evidence of misconceptions.
Procedures	Procedures are unclear, overly simplistic, or inappropriate for purpose.	Procedures may be simplistic, but the general idea is conveyed.	Procedures are clear and appropriate for stated purpose.	Procedures are clear, thorough, and address stated purpose.	Procedures are clear, thorough, and address the stated purpose. Treatments are controlled as appropriate. Deviations from standard procedures are noted.	
Results	Data is incomplete, disorganized, and/or difficult to interpret.	Data is organized in some fashion, but may be difficult to interpret.	Data is well organized and labeled appropriately. Figures/graphs/charts may be used.	Data is logically organized and labeled appropriately. Data is summarized, as appropriate. Figures/graphs/charts are used, as appropriate. Figures and graphs are labeled and scaled properly.	Data is logically organized and labeled appropriately. Data is summarized, as appropriate. Figures/graphs/charts show relevant patterns and trends. Figures and graphs are labeled and scaled properly.	
Analysis & Conclusions	Does not draw conclusions related to scientific content or analysis is limited to data that doesn't represent main concept.	Conclusions are unsupported or weakly supported by data or evidence. Analysis may be used on a portion of data collected.	Conclusions are simple and generally consistent with the data or evidence.	Conclusions are consistent with data/information, and are linked to the original hypothesis or purpose. Patterns and trends are discussed.	Conclusions are consistent with data/information, and are developed in connection to the original purpose or hypothesis. Patterns and trends are discussed.	
Sources	Does not cite credible references.	Cites at least one credible reference, but does not necessarily use information/ideas from references.	Uses general references (encyclopedia, textbooks, newspaper articles) for background information/ideas.	Uses a variety of general and specialized references (research reports, science articles) for background information/ideas. References are used to support predictions and explanations.		