

Owl Limpet Lab Report Rubric

Student Name: _____ Date: _____

CATEGORY	4	3	2	1
Introduction	Includes information about what owl limpets are, where the data was collected , and uses 5 sentence starters (or appropriate variation) to convey information in student's own words, at least 4-5 reputable background sources were used and cited .	Includes information about what owl limpets are, where the data was collected, and uses 3-4 sentence starters (or appropriate variation) to convey information in student's own words, less than 4 reputable background sources were used and cited. (or citing for 5 sources is not complete)	Includes incomplete information about what owl limpets are, where the data was collected, and uses 2 sentence starters (or appropriate variation) to convey information in student's own words, less than 2 sources were used	Section incomplete and needs revisions.
Objective	The purpose of the study and the hypothesis is clearly stated. 2 sentence starters (or appropriate variation) are used and completed with correct information.	The purpose of the study <i>or</i> the hypothesis is clearly stated. Less than 2 sentence starters (or appropriate variation) are used and completed with correct information.	The purpose of the study <i>or</i> the hypothesis is clearly stated. Less than 2 sentence starters (or appropriate variation) are used and incomplete or has incomplete information.	Section incomplete and needs revisions.
Procedure (includes material)	Procedures are listed in clear and comprehensive steps. Each step is numbered and is a complete sentence. All materials used during sampling are included in a bulleted list .	Procedures are listed in clear steps. Each step is numbered but not in complete sentences. Some materials used during sampling are included in a bulleted list.	Procedures are listed but the steps are unclear. Each step is numbered but not in complete sentences. Some materials used for sampling are included in a bulleted list.	Section incomplete and needs revisions.
Data & Results	Accurate representation of the data in a minimum of 1 table and 1 graph . Graphs and tables are labeled, titled, and correct units are used.	Accurate representation of the data in only 1 table or graph. Graphs and tables are labeled and titled. Correct units are used.	Accurate representations of the data in written form, but no graphs or tables are presented. Units are mislabeled or left off.	Section incomplete and needs revisions.
Discussion	The relationship between the variables is discussed and trends/patterns logically analyzed. Predictions are made about what might happen if part of the lab were changed or how the study design could be changed. Possible sources of error have been included.	The relationship between the variables is discussed and trends/patterns logically analyzed.	The relationship between the variables is discussed but no patterns, trends or predictions are made based on the data.	Section incomplete and needs revisions.
Conclusion	Conclusion includes whether the hypothesis was supported/unsupported/or inconclusive based on the data collected. 2-3 sentences of what was learned during the lab.	Conclusion includes whether the hypothesis was supported/unsupported/or inconclusive based on the data collected. Less than 2 sentences are written to show what was learned during the lab.	Hypothesis or learning from lab is not evident or explained.	Section incomplete and needs revisions.