

Photosynthesis Lab Report Rubric

Name _____ Period ____ DUE DATE _____

Note: You will be graded using this rubric throughout the year. It might change slightly depending on the lab we are doing, but the basic structure will be the same!

Component	Points Poss.	Point Earn	Exceeding Checklist	Approaching
Title /Heading	5		<input type="checkbox"/> One sentence or key words conveys point of lab <input type="checkbox"/> Name, Date, Lab #, Period, Group	<input type="checkbox"/> Single word title
Technical writing	5		<input type="checkbox"/> Complete sentences <input type="checkbox"/> No pronouns (objective language) we, she, he....	<input type="checkbox"/> Complete sentences
I. Question & Hypothesis	5		<input type="checkbox"/> Includes both a question & hypothesis <input type="checkbox"/> Question describes a specific idea that will be tested in the lab <input type="checkbox"/> Hypothesis: Written as a complete sentence as an "If..., then... because..." statement <input type="checkbox"/> Includes the manipulated and responding variables <input type="checkbox"/> Hypothesis answers the lab question with explanation <input type="checkbox"/> Explanation (or because statement) is logical	<input type="checkbox"/> Question does not fit experiment <input type="checkbox"/> Does not introduce the problem <input type="checkbox"/> Hypothesis incomplete-does not explain why you predict what you have
IV. Materials	5		<input type="checkbox"/> Bulleted list <input type="checkbox"/> Complete list of materials needed to perform lab <input type="checkbox"/> Quantities are recorded in metrics (cm, meters)	<input type="checkbox"/> Includes an incomplete description of materials required for the lab <input type="checkbox"/> Not in a bulleted list
V. Procedure	10		<input type="checkbox"/> Numbered list <input type="checkbox"/> Logical steps of procedure are detailed. <input type="checkbox"/> Procedure requires recording measurements- quantitative data & observations- qualitative data <input type="checkbox"/> Includes specific reference to variables; one manipulated variable, and one responding variable. <input type="checkbox"/> Detailed enough that someone else could repeat the lab	<input type="checkbox"/> Does not include a list of steps <input type="checkbox"/> Does not provides detail to be replicated by others <input type="checkbox"/> Does not include reference to variables
VI. Data Table & Written Observations	10		<input type="checkbox"/> Data Table complete; contains all data, is clearly titled, labeled and correct units are provided. <input type="checkbox"/> Qualitative and quantitative data is recorded <input type="checkbox"/> Observations recorded in complete sentences , telling what happened during the lab.	<input type="checkbox"/> Data table present but not labeled or formatted accurately <input type="checkbox"/> Observations didn't accurately describe what happened in the lab.
VII. Analysis (Graphs, Written results)	10		<input type="checkbox"/> Graph complete ; Contains TAILS: title, axis, intervals, labels, scale <input type="checkbox"/> Written results summarize and compare all data in the data table(s) using vocabulary words .	<input type="checkbox"/> Graph present but not labeled or formatted accurately <input type="checkbox"/> Written results do not summarize all data in data table. <input type="checkbox"/> Analysis questions un-answered
VIII. Conclusion	15		<input type="checkbox"/> Summarizes entire lab process. Restates question and hypothesis. <input type="checkbox"/> Answers the investigative question Explains how data from data table supports your conclusion, (pulls high and low data and narrates: evidence) <input type="checkbox"/> Explains whether the hypothesis is supported	<input type="checkbox"/> Lab process does NOT summarize or answer investigative question <input type="checkbox"/> No references to hypothesis <input type="checkbox"/> Does not use data and/or discuss validity of data
Totals	65	Your score /65	Notes to student	