

Lab Book Format and Grading:

Title of Experiment: Title should be listed on each page of the lab book used for the experiment.

Purpose: What is the purpose of the lab? What does it have to do with the topic you have been discussing in the classroom? What information are we trying to gather or hypothesis are we trying to test? The purpose should be filled in before you start the lab.

Materials: What materials are needed for the lab? Underline any materials that are unfamiliar to you and ask the teacher for clarification. This should be done before the lab.

Procedure (Protocol): What are the steps in the lab? Make a list of what you will do once you are in the lab. Your experiments should be able to be repeated by someone else using your notes so be thorough and log as you go.

Flow Chart: This is an outline of the steps in correct order that you are going to do to complete the experiment.

Data/Results: What information did you gather in the lab? Make a list or tables to represent your information. Answer analysis questions if listed in the lab.

Calculations: This section is to record and calculations that were completed for either the procedure (such as making a solution) or for analyzing data collected (such as calculating DNA concentration).

Conclusion: Interpretation of your results. What does your data mean? Was your hypothesis correct? How did the data relate to what topic you are learning in the class room? This is also where you answer any questions that were asked in your lab handouts.

Reflection: What did you learn from the lab experiment today? Did the lab help you better understand the topics being discussed in the class room? What do you still not understand? This section is not data driven but rather a personal reflection on your learning.

Lab Book Scoring:	Points
Table of Contents	1
Title of Experiment	1
Purpose	1
Materials	2
Procedure (Protocol)	2
Flow Chart	2
Data	3
Calculations	1
Conclusion	4
Reflection	1
Signature and Date	2
Total Points	20