

Lab Composition Notebook

Page 1 – Table of Contents:

Date Title Page(s)

Page Number: top outside corner of each page (you may use the back if not using ink that bleeds through)

Lab Format:

Title: clearly printed at the top of first page

Purpose/Problem Statement: question to be answered as a result of the data collected

Objective(s): list the expected learning outcomes

Materials: list all of them

Diagram: diagram showing the equipment set-up; label the equipment and the measurements to be made if applicable

Pre-Lab Questions: written out, complete with answers

*Procedure:

- concise statements with clear directions of how to conduct the lab; includes how to complete the measurements and the equipment and how it is used
- numbered sequential order
- begin each statement with a verb

***Data Tables:** you **must** use a straight edge, be sure to include a **title**, **column headings**, and **units**

Graphs: You may cut and paste graphs printed from logger pro or draw them using graph paper and a straight edge. Be sure to include a **title**, use an **appropriate scale** and **label the axes with both the variable and the units** used to make the measurement. Draw a **curve/line of best fit** and **provide a mathematical relationship (equation) for the curve.**

Post Lab Calculations: Show an example calculation for one trial for each calculation in the lab. You work must include **the equation**, **the substitution of data with units** and **the final answer** with the correct number of significant digits and units. **YOU MUST SHOW ALL YOUR WORK FOR CREDIT**

Conclusions: Answer any conclusion questions and the question asked in the problem statement. In addition, briefly describe how the objectives were supported by the lab and/or answer the problem statement.

***Procedures and data tables CANNOT be cut and pasted – nor can you say “see referenced lab”**