

Complete the following lab report for the hands-on lab. Use a different color for your responses if typing. You may also handwrite this lab and scan and upload, or take a digital picture of the report and upload.

Title of Lab:

Purpose(s) of Lab: (This can be found on the content page describing the lab. Include hypothesis if required.)

Materials Used: (List these; be specific as to the materials chosen for this lab.)

Procedure: (Be specific here, in step-wise form.)

Data: (Make a chart here; put the independent variable in the left column and the dependent variable in the right column. For example, time would be an independent variable, whereas distance would be the dependent variable.)

Calculations: (Did anything need to be calculated for this lab? If you used the calculator at all, put your calculations in this section – be sure to include units in all answers. It will be necessary to only show one example of each type of calculations, but answers for all calculations. A table format would be good for all the answers.)

Graph(s): (There may or may not be graphs; if you can graph the data, you should. Use Graphical Analysis, if possible. Refer to the Graphical Analysis tutorial from the Course Introduction. You can paste the graph in the document or upload the graph(s) separately.)

Results: Here you will trace the source on any large disparity between estimated and calculated answers to problems, consider possible effects of measurement errors on calculations, recognize the relationship between accuracy and precision. Scientific researchers are expected to critically assess the quality of data including possible sources of bias in their investigations' hypotheses, observations, data analyses, and interpretations.

Conclusion: (Answer the purpose of the lab here. DO NOT SAY that the purpose was achieved.....DO SAY, for example, the relationship between distance and time was found to be direct as evidenced in the graph. The reader should be able to tell that you actually learned something from the lab!)

Questions: (If there are questions from the lab, answer them here.)

A digital photo must be included with your lab. Have someone else take a picture of you, your lab equipment, and hold up a card in the photo that states the following:

- Name of Lab
- Your Name
- Date

Ideally, you should be shown performing the lab! (from GAVS)