

Journal/Lab entry minimal requirements:

The objective of a journal entry is for record and reference. You will be able to use your journal for the entire time you take your Test A exams and, occasionally, for a minimal time when taking your Test B exams. Classroom notes and podcast notes may not be in your journal. Any side notes in your journal must specifically relate to the lab, demo, or activity. Each entry must include (minimally) the following:

- Title
- Date
- Objective(s) or Indicate Inquiry
- Procedures (when indicated)
- Data/Observations
- Calculations (when applicable)
- Conclusion

Formal Lab Report:

A formal lab report can be thought of as a type of five paragraph essay.

paragraph	identity
1	abstract and objective(s)
2	procedures
3	data/observations
4	calculations (when applicable)
5	conclusion

1. Abstract = Start with generalizations and narrow to either your hypothesis or objectives. The abstract does not indicate what you will be doing procedurally. The abstract contains background knowledge needed to understand objectives and the data that will be collected. The abstract usually includes the use of multiple vocabulary words. You may be instructed as to the minimal amount of vocabulary needed in your abstract depending on the lab.
2. Procedures = May be summarized or specific reproducible step by step instructions. (you will be instructed as to which is required for each formal lab report assigned)
3. Data/Observations = Only data and observations are included here. Do not place any calculation results here no matter how minimal the calculation is. Data should be organized in a data table when applicable. Units must be present.
4. Calculations = Work for one calculation of each type (concept) must be shown. Units must be present. Any numbers used in the calculations should come from the data and

observations section. Results should be organized in a calculations table when applicable.

5. Conclusion =

- a. If a hypothesis was stated in your abstract, was it accepted or rejected?
- b. Restate and explain what your data indicates (this should be the majority of your conclusion)
- c. State % error if applicable and describe specific reasons for your error
- d. Indicate any extension questions or application