



LAB WRITE-UP FORMAT

Lab write-up components:

- Title
- Problem
- Hypothesis
- Materials
- Procedures
- Data
- Conclusion

Title: Should be a brief statement reflecting the topic of the experiment.

Problem: This is the purpose of the investigation and is always written in the form of a question.

Hypothesis: This answers the investigative question. Should be written in the following format:

"If... then... because..."

The "If" is what is being done.

"If I put a gummy bear in water over night"

The "then" statement is your prediction for the outcome of the experiment. What will happen when to the responding variable (what's being measured) when you change the manipulated variable a certain way.

"I think the gummy bear will dissolve,"

The "because" statement is your reason why. It's the explanation for the change.

"because sugar dissolves in water and gummy bears are made of sugar."

Materials: The minimum amount of materials needed to perform the experiment.

Procedures: Should be written in numbered steps. Describe Step-by-step what is being done in the experiment. Your procedures should show a change in the manipulated variable, logical steps, measuring, and recording of the responding variable, at least 1 controlled variable, with repeated trials.

Data/Analysis: Data collected should be presented in a data table Format. It should be organized and written neatly. The data table should reflect the manipulated and responding variables.

Conclusion: Should follow the following format. Remember to use your "conclusion" scoring rubrics when writing your conclusions.

1st Paragraph

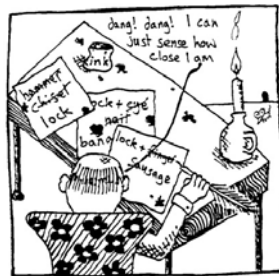
- Was your hypothesis correct or incorrect according to your data? (the data shows that my hypothesis was correct or incorrect)
- What was your hypothesis? ("It is true that (repeat prediction of hypothesis here).")
- Give 2 specific supporting data points that support or disprove your hypothesis. Explain how the data supports your findings.
- Tie it all together. How does the data relate to the original purpose (the question being asked) of the experiment?

2nd Paragraph

- Discuss any limitations of your equipment.
- How does the experiment related to what's being studied?

Writing tips:

- Investigational work is 30% of your overall grade! Do your best work!
- Make sure your lab write-up is neat, organized, and readable.
- Use the "procedure" and "conclusion" writing rubrics to ensure all areas are meeting expectations.
- Avoid using the first person, I or we, in writing. Keep your writing impersonal, in the third person. Instead of saying, "We weighed the frogs and put them in a glass jar," write, "The frogs were weighed and put in a glass jar."



Emil Fischer, 1893