

Biology Lab Report Outline

Title Page

- Descriptive Title of Your Experiment
- Your Name
- Course Name
- Date of Experiment
- Name(s) of Lab Partner(s) (*if any*)

Introduction (At least two paragraphs)

- A clear statement of the specific question or issue addressed.
- Give a logical argument as to why the question or issue was addressed.
- Include any preliminary observations or background information about the subject



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The advertisement features a blue background with a white desk in the foreground. On the desk are a laptop, a microscope, and several test tubes. Above the desk are several circular icons: a DNA double helix, a glowing lightbulb, a radiation symbol, and a clipboard. In the top right corner, there is a small icon of a person wearing a graduation cap.

Hypothesis

The hypothesis is what you propose will happen in the experiment. Usually, it is the last sentence of the introduction.

Things to note :

- Write a possible solution for the problem or an explanation for the observation
- Make sure this possible solution is a complete sentence.
- Make sure the statement is testable; you may also include a null hypothesis.

Material and Methods

- Be straightforward with the procedure.
- Give enough information for an individual to be able to replicate the experiment.
- Make sure you specify the volumes and concentrations.
- Include any equipment used during your experiment. Do not forget to include units, temperature, and time.
- Include a statement of purpose for each procedure

Results

- This section should include any data tables, observations, or other information collected during the procedure.
- Organize data into tables and charts.
- Graphs and charts should be labeled appropriately (X and Y axis).
- Do not explain or make inferences at this point.

Discussion

- State whether or not the results support/refute your hypothesis/predictions and why.
- What were the strengths and weaknesses of the experiment? How did each weakness possibly affect the results?
- Make sure to continuously refer back to figures/tables to help the reader understand your results.
- List one thing you learned and describe how it applies to a real-life situation.

Conclusion

- What do you conclude from your experiment?
- Are your results reasonable?
- Did something crazy happen?
- Do not restate your hypothesis