

Science Lab Report

Purpose

This section tells the reader the purpose of the lab. The first sentence should begin “The purpose of this lab was to.....” Your purpose must be scientific and correct. This section should only be 1-3 sentences long.

Hypothesis

A hypothesis is a statement that tells the reader what you thought would happen during the lab. The first sentence should begin “In this lab, I believe that...” and should finish with a reasonable guess as to what will happen. Your hypothesis should be based on scientific knowledge and be relevant to what you have learned in class. For example; “In this lab, I believe that the chemicals will explode” is NOT a reasonable guess as to what will happen. The first sentence should be followed by 2-3 sentences explaining why you think this will happen.

Materials

This section contains a list of materials used in the lab. This section will be copied from your lab handout. Make sure that it is well organized and looks exactly like it does on your lab hand out.

Procedure

This section outlines what you did in the lab. This section will be copied from your lab handout. Make sure that it is well organized and looks exactly like it does on your lab hand out.

Observations

This section will tell the reader what you observed during the lab, and any data that you collected. Usually this will include a chart or graph. Your observations must be presented in a professional looking way. Your observations must be accurate and correct, all quantitative physical properties must have units, and all graphs must use the correct format.

Analysis and Communication Questions

In this section you will answer a set of questions. The questions will be given to you by your teacher. Make sure your answers use scientific terms, and are as accurate and detailed as you can make them. You should type out the question followed by your answer in this section.

Conclusion

The first part of your conclusion should tell the reader if your hypothesis was correct. It is okay if your hypothesis was wrong! You should never change your hypothesis after you have completed to lab. The second part of your conclusion will describe possible sources of error. These are things that could have gone wrong during the lab that would have caused your results to be wrong as well. The last part of the conclusion will tell the reader what you learned in the experiment.

Report Format:

- Your lab report will have the following sections: Title, Purpose, Hypothesis, Materials, Procedure, Observations, Analysis and Communication Questions, Conclusion
- Each section **MUST** have a heading in bold
- Your report must be computer generated
- You must use 12 pt. font and double space your work
- Your lab report should have a title page stating the title of the lab, your teacher's name, the course, and the due date