

Earth Science Lab Report Write-up Format

The following is the format you need to follow to write your lab reports. Two extra credit points will be given to anyone who types it. Remember, this is your guide so, do not lose it.

Your name
Per.
Group partners (last line)

YOUR ORIGINAL TITLE:

I. INTRODUCTION:

This is a paragraph that discusses background information that relates to the lab concepts. DO NOT simply copy the introduction on your lab instruction sheet. You may select some facts to incorporate from the provided information, but overall it should be a summary of the topic in your own words. The rest of the information for your introduction should come from class discussions, personal experience (if any) and notes.

II. PROBLEM:

The Problem is written in the form of a question (example: How....? What.....? Why...?) Be sure to include the dependent and independent variables in your answer.

III. HYPOTHESIS:

This educated guess is written in the form of a statement that starts with "I think..." or "If ... then..." It should attempt to answer the problem above while explaining WHY you wrote the hypothesis that you did.

IV. PROCEDURE/MATERIALS:

Often this section will not be written out - be sure to listen to Ms. Bolton when the lab is assigned. If you do need to write this, it should be a clearly written, abbreviated paragraph in your own words. In addition, it should be accurately stated so that someone can understand what was done and repeat the experiment. Finally, this must include the materials used.

V. DATA/OBSERVATIONS:

This will include all data collected in the form of the charts, tables, drawings, diagrams, and/or graphs to explain or demonstrate your observations in the lab. Be sure that your graphs, tables, figures, or diagrams are neatly, completely and properly labeled with a complete title. You may not create a graph on your computer - it must be hand drawn. In addition, you should write at least 2 sentences describing your qualitative and quantitative observations.

VI. RESULTS (ANALYSIS QUESTIONS):

This section contains the answers to the lab questions or statements of what was observed and recorded. Each question should be numbered and answered in complete sentences; restate the question in your answer, or write the question and then the answer.

VII. CONCLUSION:

Some labs will have a prompt that will ask you to write about specific topics related to the lab. If this is not the case, then you will need to write

- 1) what happened in the lab - was your hypothesis right or wrong
- 2) what you learned (answer the problem as stated in II above)
- 3) what further experiments might be done to further the study
- 4) how this applies to what we are learning - what are the real life applications

This is also the place to mention any unanswered questions or any errors that occurred during the lab.

*Each of seven headings must be a **labeled** in your lab report. Skip lines between each section.