

SNC 1D – Academic Science

Writing a Lab Report

Title

The title says what you did. It is the main point of the experiment or investigation. An example of a title would be: "Effects of Ultraviolet Light on Borax Crystal Growth Rate". If you can, begin your title using a keyword rather than an article like 'The' or 'A'.

Testable Question

Write down exactly the problem that will be investigated or experimented.

Hypothesis

The hypothesis should be stated as an if...then statement. The "if" part is based on related facts that you know to be true. The "then" part is an educated guess about the outcome of the investigation.

Materials and Supplies

Detailed list everything needed to carry out the investigation.

Procedure

The procedure tells exactly what you did. Make statements in the **past tense**. Be specific. Be sufficiently detailed that anyone could read this section and duplicate your experiment. Write it as if you were giving direction for someone else to do the lab. Put the procedure in a numbered list.

Observations

The observations tell exactly what happened when you did the lab. Results include experimental data in the form of well-labeled tables, graphs, drawings and other observations. Place your observations and data in this section without discussion or comment. This is where you include any calculations made during the experiment.

Analysis and Evaluation

Analyze your results and evaluate your procedure. If you have created graphs, refer to them here. If necessary, include them on a separate piece of graph paper. Write a conclusion indicating whether or not your results support your hypothesis. Answer any Analyze and Evaluate questions here.

Applications and Extensions

Describe how the knowledge you gained from your investigation relates to real-life situations. How can this knowledge be used? Answer any Apply and Extend questions here.