

SCIENCE LAB REPORT PART A

Title/Problem

- Title precisely describes the work with no more than 3 lines and 15 words maximum. All numbers, chemical elements and compounds should be spelled out. Does not have to be a question.
- Must be a researchable topic that is approved by the Science Dept.

Importance

- Answers why this topic is important to the world and what problem this topic solves.
- If your topic is related to agriculture:
 - Why is the topic important to the agriculture industry?
 - Provide one clear, detailed paragraph answer here.
 - What problem does the investigation solve for agriculture?
 - Provide one clear, detailed paragraph answer here.

Other's Work/Literary Review (to be turned into your LA/SS teacher)

- Clearly details what information currently exists concerning the research project. Reference where the information was found (website, book, article, etc.) is listed, then a paragraph written by the student researcher(s) clearly describing the reference and information it provided for each publication used.

Hypothesis/Anticipated Results

- Your hypothesis should be something that you can actually test, what's called a **testable** hypothesis. In other words, you need to be able to measure both "what you do" and "what will happen."
- Example:"If a particular independent variable is changed, then there is also a change in a certain dependent variable."
- [How to write a hypothesis](#)
- [Example of how variables relate to your hypothesis](#)

Independent Variable

- The variable you change during your experiment.
- You should only have **ONE**

Dependent Variable

- The variable you observe-changes in the dependent variable depend on changes in the independent variable.

Controls

- A scientific **control** is an **experiment** or observation designed to minimize the effects of variables other than the independent variable. This increases the reliability of the results, often through a comparison between **control** measurements and the other measurements. These are the things that do not change in your experiment.