Name:
Date: (the date the experiment was performed)
Period:

Title

A brief, concise, yet descriptive title centered where "Title" is above. It should include your independent (manipulated) and dependent (responding) variables

Problem/ Background information:

- What question(s) are you trying to answer? What are you exploring in your experiment?
- Include background information about the subject. What would a reader need to know in order to understand what they are about to read? Definitions should be included for the reader.

Hypothesis:

- Make sure the statement is testable, an if-then statement is recommended to illustrate what criteria will support your hypothesis (and what data would not support the hypothesis).
- Ideally "if" is your independent variable, and "then" is your dependent variable

Materials:

- Make a list of ALL items used in the lab or the procedure (lab handout) can be cited for materials

Procedure:

- Write a paragraph (complete sentences) which explains what you did in the lab as a short summary. Use the past tense as if you are telling a story that already happened.
- Add details (step-by-step) of your procedure in such a way that anyone else could repeat the experiment.

Results (Data):

- This section should include any data tables, observations, or additional notes you make during the lab. You should only include observations here. Do not draw conclusions till the next section.
- You may attach a separate sheet(s) if necessary.
- All tables, graphs and charts should be labeled appropriately and they are typically centered on the page.
    - Title any graphs or charts. Use language like Figure 1: or Table 1:

Conclusions/ Analysis:

- This section should be in paragraph form with no bullets and address the following areas.
    - Accept or reject your hypothesis.
    - EXPLAIN why you accepted or rejected your hypothesis using data from the lab.
    - Include a summary of the data - averages, highest, lowest..etc to help the reader understand your results. Try not to copy your data here, you should summarize and reference KEY information.
    - Discuss possible errors that could have occurred in the collection of the data (experimental errors)

- List one thing you learned and describe how it applies to a real-life situation. How could you extend this experiment to other areas.