

Date

NAME

TITLE (OF YOUR EXPERIMENT)

1. QUESTION

State the general purpose of your experiment.

A. Example "Can you determine the acidity of common substances?"

- i. Usually 1 or 2 sentences after your question stating:
 1. *What you will attempt to accomplish*
 2. *Any general knowledge you have on the issue*

2. HYPOTHESIS

A. This is your educated guess on the outcome of your experiment

- i. Example "I think orange juice will have a pH of 7."
- ii. It does not have to be accurate, just what you think will be the outcome of the experiment
- iii. 1-2 sentences depending on what you are evaluating
 1. *This does not mean ONLY 1-2 sentences. You must hypothesize the outcome of your experiment***

3. PROCEDURE

A. How you are going to proceed.

- i. This **MUST** be repeatable. The hallmark of any lab is that your results are repeatable.
- ii. Imagine you are telling someone how to do the lab over the phone. You can show them so you must tell them in detail
- iii. It is acceptable to have a list, and short sentences or instructions
- iv. **NEEDS** to be specific

4. RESULTS

A. Charts/ / Tables

- i. NOT a paragraph.
- ii. Results are strictly the numbers/outcomes of the experimental procedures.
 - 1. *Keep standard units*
 - 2. *Example: do not record in miles, then feet, then inches.*
- iii. DO NOT explain the results in this section, it is strictly for reporting results.
 - 1. *Explanations are done in the analysis/conclusion section*

5. ANYLISIS /CONCLUSION

- A. Present your findings from the experiment
 - i. Here you will explain your results
- B. Evaluate the results of the experiment against your hypothesis
 - i. How accurate was your initial hypothesis?
- C. Discuss discrepancies with your results/ possible problems with the lab
 - i. Example "I may have misreported certain pH values because multiple solutions were tested at the same time."
- D. Infer improvements that could yield better results
 - i. Example "in future experiments solutions should be tested one at a time to improve accuracy and avoid mistakes."

IMPORTANT POINT TO KEEP IN MIND

-SPELLING AND GRAMMAR COUNT TOWARDS YOUR GRADE.

-PROCEDURES AND RESULTS SECTIONS ARE THE ONLY ONES THAT DO NOT REQUIRE FULL SENTENCES.

-ANY REPORT THAT DOES NOT CONTAIN THESE SECTIONS WILL BE REJECTED OR RECEIVE A FAILING GRADE AT MY DISCRETION.

YOU HAVE BEEN WARNED.