

**IQ:** \_\_\_\_\_  
(IQ= Investigative Question you try to answer in your experiment)

- Remember that this is an outline. This means you don't need to write in full sentences; you can use shorthand, abbreviations and bullet points.
- This assignment does NOT count as your lab report grade. It is here to help you plan for the final submission of your report.

**I. INTRODUCTION:**

a. Hook (*One or two* sentences to draw the reader in):

b. Your next few statements will be on the background research that brings out the significance of your investigation. In bullet points, state 2 significant issues behind your experimental research.

c. Give one specific case study as evidence of the importance of your research. Be sure to use key terms, as well as identify names, time, date and "what happened" if talking about a specific incident.

**II. HYPOTHESIS STATEMENT:** This should contain – (1) both independent and dependent variables (2) At least 3 statements

Your hypothesis:



#### **IV. RESULTS:**

On graph paper, construct 2 graphical representations of your data (Each telling a different “story”). Be sure that each graph has:

- A title that includes both the independent and dependent variables
- All labels and units on its axis
- A key if necessary

Statistical Analysis Calculations

- Provide standard deviation of your results. You don't need to show the calculations, just the figure.
- Provide t-test and/or chi-square analysis of your results. You would need to show your calculations here. Your final figures need to be mentioned somewhere on your graphs.

Attach at the end of the lab report: A copy of all your raw data.

\*\*\*Use the space belong to sketch or paste whatever might belong in your results\*\*\*

**V. CONCLUSION:**

Restate hypothesis and significance:

State whether you prove/disprove your hypothesis

Identify at least 3 evidences from your data that supports your results

List and describe two things about your 2<sup>nd</sup> experiment that you would redesign for an even better result

List two juicy questions for further investigation at this point. With each question, add 1 – 2 sentences that state the reasoning behind your question.

**VI. BIBLIOGRAPHY:** List your resources accordingly in the blank space below. Use the format provided. Remember, you must come up with at least 2 more resources OTHER than the ones that Ms. Chien provided on her website.

Name of website

Name of author who write the article

URL of website

Website's date of publishing / or last time you viewed it.

*Use Citation Machine to make your life a tad bit better ☺*

Don't forget to make a cover page for your lab report: It should include:

- (1) Investigative Question
- (2) Your name
- (3) Course title
- (4) Date of submission
- (5) Instructor's Name

Don't forget to attach at the back of your lab:

- (1) Your raw data
- (2) All your drafts (to show how hard you worked!)