

## Title of the Lab (Describe What the Lab is About – Not Experiment 3.1)

### Purpose

- What is the reason for doing the lab?

### Hypothesis

- What is your scientific claim that is a result of the lab?
- If \_\_\_\_\_, then \_\_\_\_\_, because \_\_\_\_\_.
- All labs won't have a hypothesis.

### Materials

- List of what materials you are going to need to complete the lab.

### Procedure

- DETAILED step by step instructions on what to do to complete the lab.

### Data Table

- Prewritten tables that allow you to quickly enter the data during the lab
- Will be given to you most of the time, but sometimes you will have to make your own.

### Observations

- Using your 5 senses, what did you notice during the lab?
- All labs will need AT LEAST 3 observations.

### Calculations

- Mathematical equations that allow you to complete the data table for each trial.
- **Work must be shown** with numbers that were recorded in the data table.
- If there are multiple trials you need to tell me which trial it is then complete ALL the calculations for that trial.
- Sig figs must be followed and units must always be displayed.

### Data Analysis

- Any graphs or charts that will make it easier to read the data table.

### Questions

- Answers to questions that were provided either in the book, during the lab, or by the teacher.
- ALL answers should be in COMPLETE SENTENCES and answered to the best of your ability.
- IT IS OK IF YOU DO NOT KNOW THE ANSWER TO THE QUESTIONS!!! TRY TO ANSWER THEM ANYWAY.

### Results and Discussion

- The conclusion should be in paragraph form in which you complete ALL components
  - o First paragraph
    - A summary of what you did during the lab.
    - What did you learn in the lab?
  - o Second paragraph
    - What was your purpose/hypothesis and did you accomplish your purpose **or** was your hypothesis supported?
    - Using your data, what **evidence** do you have that supports you accomplishing your purpose **or** what **evidence** supports your hypothesis?
    - Here you will analyze your data and come up with a **reason** for why those results occurred.
  - o Third paragraph
    - What improvements of techniques or experimental design would you change?

\* Labs Out of Order will be given a 20-point deduction.

\* Labs can be written or typed.