

Name: \_\_\_\_\_

Period: \_\_\_\_\_

## How to write a 9<sup>th</sup> grade Lab Write-Up

### Title:

- Create your own creative title that applies to the experiment.
- You only earn 1 point if you use the title given in class.
- Your title should be only 1-2 lines long.

### Purpose/Problem Statement:

- What testable question are you trying to answer? What is the purpose of this lab?

### Background Information:

- This section tells the reader why the question/purpose is important.
- Be sure to include vocabulary and information from class that is needed.
- This section is written in paragraph form.

### Hypothesis/Prediction:

- What do you PREDICT will happen and WHY?
- To get full credit, word your hypothesis this way:
  - If...(include what you are changing),
  - then...(what factor is affected and HOW),
  - because...(give the reason)

### Identification of Variables:

- Identify the following:
  - Manipulated Variable: This is what you are changing on purpose.
  - Responding Variable: This is what you are measuring as a result of your change.
  - Controlled Variables (at least 2!): This what you are keeping the same.

### Materials:

- Include a complete list of ALL items needed for the lab.

### Procedures:

- Summarize the steps in PRESENT TENSE as a set of numbered instructions. Each step is one thing to be done.
- Omit unnecessary words, but do NOT abbreviate.
- Clearly identify what you are changing in the experiment, when, and how (manipulated variable).
- Clearly identify what gets measured or observed, when and how (responding variable). Include the tool you will use to observe or measure with!
- Clearly identify what conditions need to stay the same throughout the entire experiment (controlled variables).
- Identify what to record (remember unit!)
- Clearly state how many times to repeat trials/experiment.
- Does the procedure have logical steps? Can someone do your procedure without your help?