

Lab Report Form

Name _____ Date _____ Period _____

Descriptive Title (1 pt):

Purpose of the lab (1 pt):

Introduction:

1. Generate a *scientifically oriented question* (1 pt):
2. Pose a *testable hypothesis* (if applicable, use **if/then/because** statement format) (1 pt):

Methodology (materials & statistical method used) (3 pt):

3. Design the procedure for the investigation if procedure is NOT provided. **Note: Be descriptive so that others can replicate it:**

4. Identify (if applicable) (2 pts):

- a. **Dependent variable(s):**
- b. **Independent variable:**

5. Identify/describe the following (if applicable) (2 pts):

- a. **Constants:**
- b. **Replication:**
- c. **Sample size:**
- d. **Control(s)** (positive, negative, or baseline):

Results:

6. Create data table and diagram to organize the data collected from the investigation. Label title, columns, rows, axes, & units.

Note: If the space provided is insufficient use a separate sheet and attach it to this report.

Data Table and/or diagram (3 pt):

Conclusion:

7. **Explain** if your hypothesis was supported or not supported. Use **quantitative evidence** from the data obtained from the experiment to **justify** your conclusion: (4 pts)

Discussion:

8. Provide at least **three** experimental errors, limitations, or flaws in the experiment: (1 pt)

- a.
- b.
- c.

9. Also, indicate **three** improvements that could be made to the experiment. (1 pt)

- a.
- b.
- c.