## **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 <i>testable hypothesis</i> (if applicable, use <b>if/then/because</b> statem | ent format) 1 nt  |        |
| 2. 1 ose a testable hypothesis (if applicable, use in them because statem              | one formate a pe. |        |
|  |                   |        |
| Methodology (materials & statistical method used) 1 pt:                                |                   |        |
| 3. Design the procedure for the investigation if procedure is NOT provi                | ided.             |        |
| 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) 1 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 (1 pt):  |
|   |
|   |
|   |
|   |
|   |
|   |
|   |
| Diagram (1 pt):   |
|   |
|   |
|   |
|   |
|   |
|   |
|   |
|   |
| Conclusion:   |
| 7. <b>Explain</b> if your hypothesis was supported or not supported. <b>Use quantitative evidence</b> from the data obtained from the experiment to <b>justify</b> your conclusion: (2 pts) |
|   |
|   |
|   |
|   |
|   |
| Discussion:   |
| 8. Provide at least <b>three</b> experimental errors, limitations, or flaws in the experiment: (1 pt)   |
| a   |
|   |

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