

# Lab Report Format

## *Honors Biology*

This is the general lab report format for all lab activities in Biology. All of your lab work should be typed in Google Docs and submitted through Canvas. **Your work should represent your own thoughts and writing. Do not cut and paste from any sources.** Each section should be titled as shown and all writing should be in complete sentences, using proper grammar and spelling, and your paper should be in paragraph format. Include all of the information requested for full credit.

### **Introduction:**

*(What were you trying to find out and what did you know already?)*

Describe the study or experiment you conducted. Include the question you addressed along with additional details about the purpose of the project and any background information you researched.

### **Methods:**

*(How did you conduct your study?)*

Describe how you conducted your study. Your goal should be to explain your methodology in a way that would allow someone else to duplicate your investigation and obtain the same results. You can write your methods as a step-by-step list or in full sentences and paragraphs.

### **Results:**

*(What were the measurements you recorded and how do they look in a chart or graph?)*

Create neatly formatted data tables for your data tables that include units and are easy to read. If you conducted a statistical test, include that information in one of your data tables.

From your data tables, make graphs and charts that clearly show trends and comparisons. If you used a linear regression, include the trend line and  $R^2$  value.

### **Discussion:**

*(What is the answer to your question?)*

Use your data, graphs, and charts to respond to the following:

1. According to your data, graphs, and charts, **what was the answer to your question?**
2. If you used a statistical test or linear regression, **what did it tell you about your data?**
3. **What are some possible scientific explanations or questions you have that relate to the results you saw?** Your response should consist of one or two follow-up questions that you might ask about factors related to your study, along with some potential answers to those questions.