

Your Name
Biology
Your Teacher
Period #
Date

Title (should include independent and dependent variables)

Purpose: State the reason the lab was performed in **3 complete sentences**.

Background Information (Accelerated Bio only): Provide relevant information that helps the reader understand the point/purpose of the experiment. Include an explanation of unfamiliar terms relevant to the study and relate those explanations to a broader understanding of the related, scientific field of interest.

Hypothesis: States a clear prediction about the outcome of the experiment. What you expect to see happen and why.

Materials: List all materials and equipment used in performing the lab.

Procedures: A step-by-step explanation or flow chart of the experimental procedures. Impersonal, command language should be used (like a cooking recipe). Include a **properly labeled**, experimental diagram of the lab set up.

Figure 1 - Create Your Own Title

Properly labeled experimental diagram of the lab setup

Results: Present all data/observations collected during the experiment. Data should be presented sequentially and observations should be detailed and accurate. Graphs and/or tables should be used to organize the data and must be properly labeled. The use and number of graphs, drawings, and tables can vary and depends on the data collected.

Figure 2 - Create Your Own Title

**Properly labeled observations (Biological Drawings) if needed
Check the guidelines in your notebook for Biological Drawings**

Figure 3 - Create Your Own Title

**Properly labeled graph if needed
Check the guidelines in your notebook for Graphing**

Table 1 - Create Your Own Title

This is a sample table	<u>Use if needed</u>	
	This is a sample table	
		This is sample table

Discussion: (Complete your "Planning Your Lab Report Worksheet". The worksheet is a guide for your discussion and clearly outlines what must be included in the 2 paragraphs, which make up your discussion.) **KEY: YOUR DATA IS USED TO FORM THE EXPLANATIONS THAT EITHER SUPPORT OR REFUTE (DO NOT SUPPORT) YOUR HYPOTHESIS.** All relevant data exists in the **Results** section of your lab report. (Paragraph 1)

Evaluate the experimental procedure and discuss possible sources of error. Suggest improvements and future considerations should you chose to repeat this type of experiment. (Paragraph 2)

Conclusions: Briefly restate the significant results of your experiment using your data in 2-3 sentences.

Answer all of the questions included at the end of your lab in complete sentences.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.