

## Writing a Formal Investigation Report

Use the information from your science notebook to write a formal report on the investigation you performed.

**Title:**

*Choose a title that describes the investigation.*

**Abstract: What did you seek to learn in this investigation and what did you find?**

*Write a paragraph that summarizes your purpose, your hypothesis, and a brief summary of your results and conclusion.*

**Experimental Design:**

*Describe the materials and methods you used (what you did) to answer the question.*

*Outline the variables:*

- *Independent variable (what was being changed)*
- *Dependent variable (what was being measured)*
- *Control (what was used as baseline comparison)*

**Data: What did you find?**

*Record observations and measurements. Use a data table where appropriate to organize the data.*

*Don't forget to include proper units and clear labels.*

**Data Analysis: Representing the data in a way that can be easily interpreted.**

*Use graphs, diagrams, or charts where appropriate to aid in the data interpretation.*

**Conclusion: What does the data mean?**

*Summarize the data.*

*Formulate a conclusion based on the data collected.*

*Discuss your hypothesis and its accuracy.*

*Discuss whether the data supports your hypothesis.*

*Discuss any errors that occurred that may have interfered with the results.*

*Describe any changes that need to be made the next time the investigation is performed.*

*Describe any new questions to be investigated based on the results of this investigation.*