Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_ Sub: Science

**Inquiry Report : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Problem/Question**: (What you are investigating.) |
| **Prior Knowledge**: (What you already know about the question and the topics involved.) |
| **Hypothesis**: (If….then…. & why.) |
| **Independent Variable**: (What is changing.) |
| **Dependent Variable**: (The result of your changes.) |
| **Control**: (Not exposed to the independent variable – A test without the change.) |
| **Materials**: (Include amounts and be specific) |
| **Procedure**: (Step by step instructions) |
| **Analysis of Data**: (Patterns and trends in data. What your data tells you. Include graphs.) |
| **Conclusion**:  - **Hypothesis is evaluated according to data** (Include your hypothesis. Tell whether or not your hypothesis is correct/incorrect according to your data.)  My hypothesis stated, if\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  It was correct/incorrect (circle one) because my data shows  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **- Reasons to accept/reject hypothesis** (Use your background knowledge to explain why your data turned out the way it did.)  I know my hypothesis was correct/incorrect (circle one), because  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Applications and Recommendations for Further Use**:  **- Explain reasons you may have errors in your experiment.** (What could have gone wrong that made your data incorrect? If you don’t think anything went wrong, explain why.)  - **Explain one way to improve this experiment**. (What other procedures, materials or tools could you have used to make your experiment perform better?)  - **State a testable question for future experiments.** (What question would you like to test if able to do a similar experiment?) |