The Scientific Method

**Problem:** Based on your observations, identify the problem you wish to explore by asking a clear, specific, testable question.

**Hypothesis:** Predict the solution or answer to your problem in one long sentence written in the form of "If independent variable then dependent variable."

**Procedure:** Make a list of numbered steps that tells exactly what will be done in the experiment so that another person could perform the same experiment exactly the same way.

**Results:** Analyze data in the form of a graph or table or both.

**Conclusion:** Write an organized paragraph that states what you have learned from the experiment. Restate the hypothesis in the first sentence. Briefly state what the results showed and whether or not the hypothesis was supported. Offer an explanation of why your results were found.

**Questions:**
1. What was the independent variable?
2. What was the dependent variable?
3. What was the constant?
4. What was the control?