

# Scientific Method

Intermediate Level

Name: \_\_\_\_\_

Date: \_\_\_\_\_



## 1. Problem

What do you wonder about?

State the question(s) the experiment is trying to solve.



## 2. Background Research

What do you already know?



## 3. Hypothesis

What do you predict will happen?

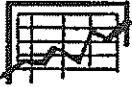
- Predict what will happen in the experiment.

# Scientific Method (continued)



## 4. Experiment

- What supplies do you need?
- What steps will you take?
- Materials—List supplies and equipment used to conduct experiment.
- Procedure—Describe the step-by-step process on how the experiment was performed.



## 5. Results

What happened in your experiment?

- Record and graph quantitative data.
- Report qualitative observations.



## 6. Conclusion

- What did you learn about your prediction?
- What new questions do you have?
- Summarize results.
- State if hypothesis was supported or not.
- Suggest improvements to the experiment.