

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

**The Nature of Science**  
**How is a controlled experiment performed?**  
**Virtual Lab Journal**

1. What is the problem you are trying to solve?
  
  
  
  
  
  
  
  
  
  
2. What is the prediction you want to test?
  
  
  
  
  
  
  
  
  
  
3. Test your hypothesis.
  - a. How will you use the computer model to test your hypothesis?
  
  
  
  
  
  
  
  
  
  
  - b. What steps will you follow?
  
  
  
  
  
  
  
  
  
  
  - c. What data will you record?
  
  
  
  
  
  
  
  
  
  
  - d. Conduct your experiment and record your results.
  
  
  
  
  
  
  
  
  
  
4. Analyze the results of your experiment. Explain any patterns you observed.