

Name _____ Period _____ Date _____

Temperature and Solubility Lab Report

1. Problem:

How does temperature affect the solubility of baking soda in water?

2. Background Information: (Please make sure to include solubility and concentration.)

3. Design the Experiment:

Manipulated Variable:

Responding Variable:

Controlled Variables (List at least 3):

4. Hypothesis: (If/Then format)

5. Materials: (list ALL items and quantities)

6. Experimental Procedure:

7. Data Collected: (Draw data chart below)

8. Conclusion:

Write a conclusion by analyzing the data and answering the question posed at the beginning of the lab. Use data to support your conclusion. Include whether your hypothesis was supported or contradicted.

What are two things you could do to improve the reliability and accuracy of this lab?
