

:

“Battle of the Spheres”

1. Title: relates to the experiment ex: **“Battle of the Spheres”**

2. Problem/ Abstract: Which of the following spheres will roll down the ramp the fastest?

3. Hypothesis/ Theory: what you think will happen and why

4. Materials: list materials 1, 2 and so on like in a cookbook

5. Experimental Procedure: list step by step 1, 2, and so on of what you did like in a cookbook

6. Safety: list the rules we need to follow

7. Data/Results: in the form of a chart or graph

Calculation(s): show formula used and all work done step by step

8. Conclusion/ Discussion: 3 to 5 sentences. Restate hypothesis and include data from the results supporting/ nonsupport of your hypothesis and what can you do to further investigate this.

This is how you write your lab report in your journal. **Write these headings and then fill in.** A science lab journal is kept so someone can come in after you and using just your journal reproduce what you did. So the information must be correct and include **everything**. If you mess up, you put a line through the mistake and then restart. (No white out or erasing in a lab journal)

Questions:

1. Which sphere moved the fastest down the ramp, why?
2. Which sphere was the slowest down the ramp, why?
3. What was the independent variable? Can you have more than one, why?
4. What was the dependent variable?
5. What are the controls in this experiment?
6. What are some sources of error in your data? (You can't use the term “Human Error”, what human error occurred?)