Science/Lab Report Writing Planning Pages

Name _____
Date_____

***Parts of a lab report*:**

- ✓ Topic/Purpose/Hypothesis
- ✓ Materials
- ✓ Procedure (steps)
- ✓ Outcomes, solutions, or results
- ✓ Interpretation of results
- ✓ Conclusions

Student directions: Answer all parts of this worksheet with complete sentences. Use correct grammar, spelling, word usage, capitalization, and spelling.

✓ Indicates suggestions to help you think and complete the answer to this section. Indicates what MUST BE COMPLETED in the space below.

1. Identify the problem: Determine the problem your are to examine in the experiment.

- ✓ What are you going to test?
- ✓ What question will you answer?

Identify the problem in the space below. The problem must be stated in the form of a question.

2. Write the hypothesis: State your answer to the question above.

- ✓ What do you think the outcome/results of the experiment will be?

Write your hypothesis in the space below.

3. ***List the materials:*** What materials do you need to complete your task?
For example,
- ✓ Beakers
- ✓ Solutions
- ✓ Rulers, protractors, calculators
- ✓ Microscopes, slides
- ✓ Frogs
- ✓ Amoebas

List the materials needed:

4. ***Procedure :*** List and explain each step required to complete the lab
This procedure will vary depending on your task. For example, did you…
- ✓ Explain each step you took to complete the experiment.
- ✓ Include specific amounts and times for each step.
  Ex. How much Benedict's solution did you add?
  How long did the solution take to boil?
- ✓ Number each step.

7. **List and explain each step, in order.**

5. Table of Results: Now you need to record the results of your task in a table or chart.

- ✓ Create the table, chart or graph.
- ✓ Include labels, headings and units on your table
  Ex. mm, ml, degrees (Celsius)

Use the box below to create a sample, diagram, or chart to explain your solution or results.

6. Interpret your Results: Write a paragraph explaining/interpreting the results of your experiment.

Ex. What do you results tell you about the experiment?
Compare your **control** and **experimental** groups.
What trends in your experiment/chart are important?
Why are these trends important?

7. Conclusion*:* Write a conclusion paragraph comparing the results of your experiment to your hypothesis.

Do your results support your hypothesis?