FAST Plant Experiment Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You will be typing a report on your experiment with the FAST plants. You need to complete this sheet to be prepared to type when we go to the computer lab on Monday.

Before starting, what is you independent variable?

What is your dependent variable?

1. **Title**: Write a sentence that relates the independent and dependent variables you investigated.
2. **Introduction:** Write one to three sentences explaining the purpose of your experiment.
3. **Hypothesis:** Write one sentence relating your independent and dependent variables using “If…then….”
4. **Procedure**: List the steps followed to complete the investigation. Check the list carefully for accuracy, completeness, and precision.
5. **Results**:

**A**. Table-Make a sample data table with the columns labeled. You will only give the labeled columns, not your data. You will make (insert) a data table on the computer when you begin typing your report and your data will go in it. If appropriate, you should give averages for the four trials. If one of your trials did not grow, that should be described in an “observations” column, but not included in your averages. You will have one table for your control data and one for your experimental data.

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Will you give any averages? If so, what?

**B.** Graph- You may graph by hand on graph paper or on the computer.

Label your axes. You must use an appropriate scale. Give a one or two sentence summary of the data trends with the graph.

X-axis

Y-axis

Description of type of graph you will use.

1. **Conclusion:** Describe the purpose, major findings, and recommendations for further study. Avoid using the word “proved.” One experiment never proves anything. It can support a hypothesis or it can give evidence against a hypothesis, but you have not proved anything with one experiment.
2. The purpose of your experiment was?
3. What were your major findings?
4. Was your hypothesis supported?
5. What explanation can you offer for your findings?
6. What could you have done to improve the way you did this experiment?
7. What are other ideas related to this experiment you could investigate?