

Name: _____ Period: _____ Date: _____

SETTING UP AN EXPERIMENT

1. Question you are exploring or problem you are solving: _____

2. Hypothesis (idea you are testing): If _____
_____ then _____
_____ because _____.

3. What variables will you change in the experiment (independent variable)?

4. What are you measuring (dependent variable)?

5. What variables remain the same in your experiment (constants)?

6. Materials needed for your experiment:

7. During the experiment:

a. What specific things will you observe?

b. What measurements will you make?

c. How will you collect and record your data? Sketch a sample of your data table..

8. Describe the avoidable (things you have control over) and unavoidable (things you have **no** control over) experimental errors that may occur during your experiment.

9. Sketch of the experimental set-up, with labels.

