Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pendulum Inquiry Activity

You will be making a pendulum in class and testing it. To make the pendulum you need to tie washer weights to a string and duct tape it to the lab table. You and your partner need to decide how you will test your pendulum and what you will be investigating.

Question:

Hypothesis (based on the question):

Materials and Procedure (what you used and what you did):

Data Table: (hint on variables)—time, swings, mass, length, angle, etc)

Dependent variable—

Independent variable—

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Conclusion Questions:

1. What variables did you test with your pendulum?

2) How did these variables affect the motion of your pendulum?

3) Try to design and make a pendulum that keeps swinging for a long amount of time. Draw your pendulum and write the variables that make the best pendulum: (hint—mass, length, angle, etc)