

Name:
Teacher:
Class:
Date:

Pendulum Lab-V.2

Directions for Part 1: Write down the title, hypothesis, prediction, and research, using key words and phrases.

Title –

Question-

Hypothesis-

Prediction-

Research-

(Possible Topic)	(Possible Topic)
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Works Cited

Directions for Part 2: Listen as your science teacher describes what the Pendulum Lab is and what materials were used to for it. List the materials needed for this experiment below in bulleted form and write down a numbered, step-by-step procedure for successfully completing the Pendulum Lab.

List of Materials-

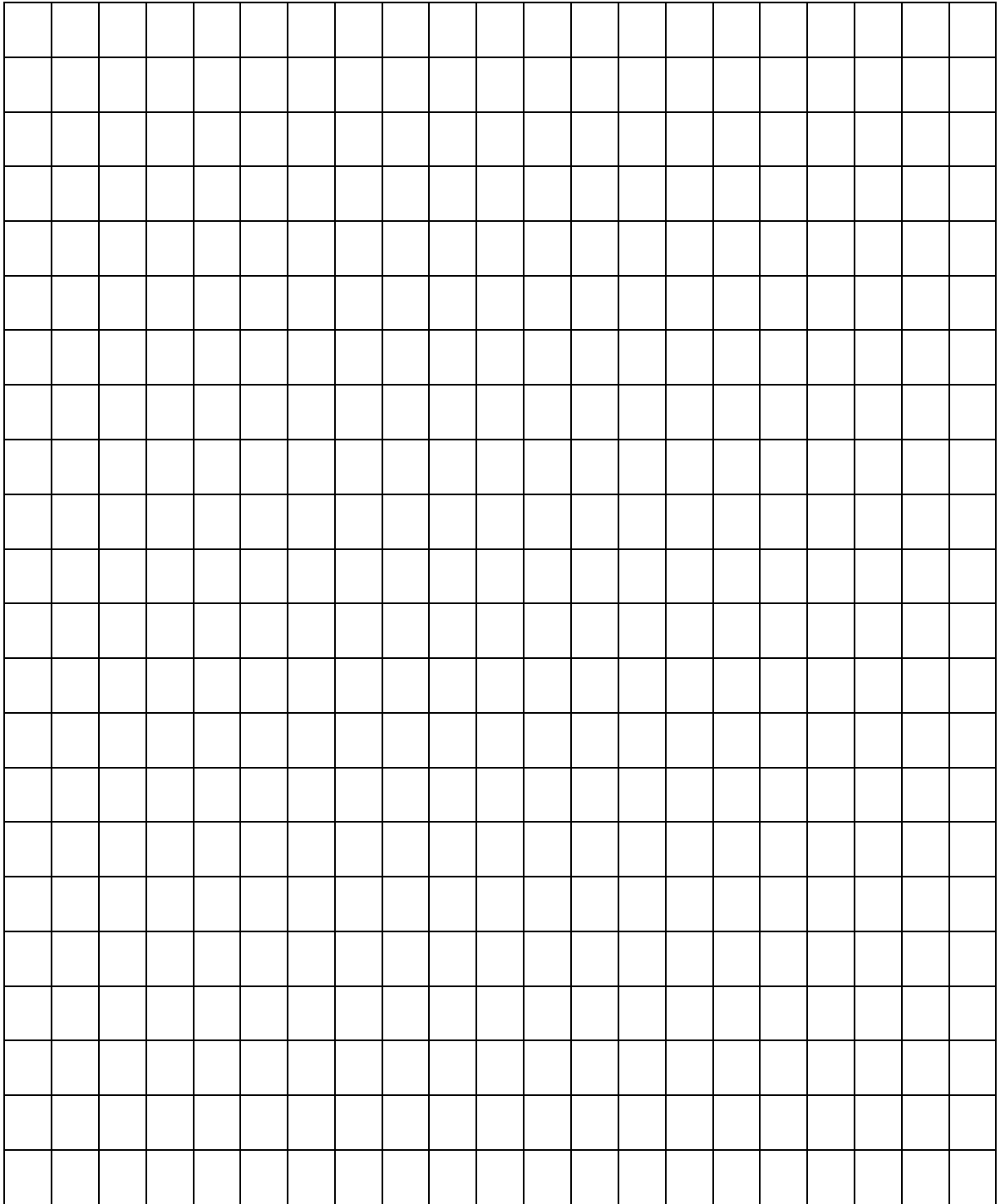
Step-by-Step Procedures-

Directions for Part 3: RECORD your results in the boxes below by putting in the required information.

Results-

Pendulum Lab	Number of Swings in the 1st Trial	Number of Swings in the 2nd Trial	Number of Swings in the 3rd Trial	Average Number of Swings for All THREE Trials
Pendulum Length				
Pendulum Length				
Pendulum Length				
Pendulum Length				

Directions for Part 4: ORGANIZE your results by graphing the information from the previous table.



Directions for Part 5: Write your discussion, using the writing guide in the next table. Be sure to make your claim, summarize your evidence, and explain your reasoning.

Discussion:

CLAIM: (Write down your hypothesis and prediction.)

EVIDENCE: (Write down a summary of your results.)

REASONING: Did I find support, partial support, or no support for my hypothesis?

The “old” (the one started with) hypothesis and prediction were

If partial support or no support for the “old” hypothesis was found, my “new” hypothesis is

Some unexpected results were:

1.

because

2.

because

List the variables-

The independent variable (what was changed on purpose) was

The dependent variable (what changed when something on purpose was changed) was

The control (what was used to compare with the dependent variable, if any,) was

What surprised me about this experiment was

1.

2.

Reflection:

What went well with the experiment?

1.

2.

3.

What were problems with the experiment?

1.

2.

3.

What would I do differently in the experiment next time?

1.

2.

3.

Directions for Part 6: On the back, make a model of the experiment by drawing and labeling what your experimental set-up was.