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| **Introduction: Planning and Investigation** |
| **Insert Title of Lab Report Here** |
| VariablesIndependent Variable: Write sentences explaining your variablesDependent Variable: Controlled Variable: |
| **Hypothesis**Write your hypothesis here! Use complete sentences.  |

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| **Materials and Procedure: Obtaining Data** |
| Equipment:* Bullet all the equipment that you used for this lab
* You can do it!
 |
| Procedure:1. This is where you number your steps for your experiment
2. Don’t miss a step!
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| **Results:** |
| A. Height of Drop/Bounce | Time 1 (Seconds) | Time 2 (Seconds) | Time 3 (Seconds) | Average Time: (T1 +T2+T3) / 3 | Velocity in CM/SEC. (Box A / Box E( | Velocity in Meters/Sec. (Box F /100) |
| 160 Cm.  |  Make sure that everything is correctly labeled | Number of decimal places should be consistent across table |  |  |  |  |
| Heigh of 1st Bounce Data Sheet |  |  |  |  |  |  |
| Height of 2nd Bounce |  |  |  |  |  |  |
| Height of 34d Bounce |  |  |  |  |  |  |

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| **Discussion: Analyzing Data** |
| Answer the following Questions (after you answer the questions….erase the questions and make a paragraph) :1. Describe the shape of the line graph. 2. How are kinetic energy and potential energy linked to each other. 3. Does the graph show a pattern? Describe the pattern.  |

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| **Conclusion:** |
| Answer the following questions (after you answer the questions…erase the questions and combine your sentences.1. Does your data/ graph support your hypothesis? Why or Why not?2. State what you learned about the relationships between the independent and dependent variables.3. Do you have any errors or outliers in your results?  |

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| **Evaluating and Improving:** |
| Answer the following questions (after you answer the questions…erase the questions and combine your sentences.1. Identify and explain any possible sources of error in this lab – for example are there procedures tat are difficult to execute or measurements that are difficult to make? 2. State at least two ways in which this investigation could be improved.  |