Name:	_



Lab: Motion & Mass

Pre-lab question;	
I. What is Kinetic Energy?	
2. What is the equation for Kinetic Ene	ergy?
Problem: How does mass affect kinetic energ	gy? (You will answer this at the end of the lab)
Research: Use a chromebook to learn about r	mass & kinetic energy. Find at least two facts and cite your sources.
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Sources: 1.	2.
Hypothesis: This is a good format to use when writing a l	hypothesis, but it is not always appropriate. (If then because)
Independent Variable: (Manipulated variable-	" Change" variable)
Dependent Variable: (Responding Variable-	"Data")
Control(s): (Variables we want to keep const	ant)
you to use. You may use others at your teach	our experiment. Be specific! The following materials will be available for her's discretion. rs, Hot Wheels Tracks, Jenga blocks, timers, stop watches, ring stands,
Procedures: List the steps you will take in yo Get approval from your teacher before you so l. 2. 3. 4. 5. 6. 7. 8. 9. 10 11.	our experiment. You do not have to use all of these steps. Be Specific!!! tart.

<u>Data:</u> Create a table to organize your QUANTITATIVE data. The independent variable goes in the first column. The dependent variable goes in the second column. Include the units of measurement.
QUALITATIVE descriptions: Describe what you observe in the experiment using your 5 senses (touch, sight, hearing, smell, taste).
Graph: Independent variable is written on the bottom. Dependent variable is written on the left side. Include the units of measurement (grams, seconds, centimeters, etc.)
Conclusion: Based on your data, you would write a conclusion in the same form as your hypothesis. If your hypothesis
was correct, then your conclusion would be the same.