



Force & Motion

Name _____



Experimenting With Motion

Before you begin:

As a group: List two things that you can change about the motion of a rolling marble -

As a group: Pick one of the things you can change -

You now have a Research Question:

How can the _____ of a rolling marble be changed?

Form a Hypothesis based on what you already know about motion.

(Use an If, Then statement - If ___?___ is changed, then ___?___ will change)

Use the **Experimental Design Graphic Organizer** to design an experiment to test your hypothesis.

Steps (What needs to be done)	Details (Materials, how much, how often, when, time, temperature)
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	

Questions:

1. What was the independent variable in this investigation?
2. What was the dependent variable in this investigation?
3. What were some controlled variables in this investigation?
4. What tools and / or information do you need to make the data in this experiment as precise and accurate as possible?