

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.

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?