

Name: _____

Date: _____

Marble Size	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5
	(Measurement of cup's movement in centimeters)				
Large Marble					
Small Marble					

Answer the following questions about your investigation:

1) When the marbles enter the paper cups, are the marbles traveling at the same speed? How do you know?

2) When the marbles enter the paper cups, do you think the marbles have the same amount of kinetic energy or different amounts of kinetic energy? Why?

3) Do you think one of the marbles does more work on the paper cup?

4) Do you think one hand (or student) does more work on a marble to bring it from rest to the starting line? How do you know?

5) The marbles do work on the paper cups by pushing them away from the finish line. Do you think the paper cups also do work on the marbles? How do you know?

6) Which do you think takes more work to stop, a fast-moving baseball or a slow-moving car? Why?