



Potential & Kinetic Energy: Student Activity Sheet

Name: _____

Date: _____

Part 1: Height & Kinetic Energy

Record your data below

Ramp Height	Trial 1	Trial 2	Trial 3	Median
_____ cm				
_____ cm				
_____ cm				

How did the height affect the distance the card traveled? _____

Support your claim with evidence from your investigation. _____

Part 2: Mass & Kinetic Energy

You will be working with 3 different balls: wood, glass, & steel. The wood ball weighs 1.5g. The glass ball weighs 4.8g. The steel ball weighs 16.3g.

Prediction: Which ball will push the card the furthest? Which ball will push the card the shortest distance? How far do you expect them to go? Record your predictions below

Record your data below

Ball Type	Trial 1	Trial 2	Trial 3	Median
Wood (1.5g)				
Glass (4.8g)				
Steel (16.3g)				

How did the mass of the ball affect the distance the card traveled? _____

How did the results compare to your predictions? _____