Student Worksheet

Name (s) : _____ Section: _____
_____ Date: _____

Conservation of Energy

Getting started:

3. Using the information given on the screen, rewrite these formulas in sentence form:

GPE = wh

W = mg

GPE = mgh

Lab instructions:

Click [start] to start the car rolling on this ride.

2.After discussing with your partner, describe any changes in the movement of the car from the top of the first hill to the top of the loop.

Click [start] to start the car rolling.

Click on the [record] during the ride to get readings of its height and velocity. Repeat until you have data from at least 8 different positions.

3. Record the speed and height for each position on Table A.

Data Collection

Table A

Height	Velocity	Mass	