

Name: _____

Date: _____

Period: _____

Roller Coaster Physics

1. Go to www.youtube.com/watch?v=Eh1P4adv6I
How does a roller coaster use Potential Energy to make the ride fun?

Why is the first hill on a traditional roller coaster always the tallest?

2. For the hypothetical roller coaster shown below calculate the Kinetic & Potential Energy for each point. Use a mass of 400kg as the mass of the car and its occupants.

Point	Formula	Substitution	Solve with units
A			
B			
C			
D			
E			

Turn Paper Over

