Conservation of Mechanical Energy

Monday, November 4, 2013 7:55 AM

A rollercoaster has a mass of 500 kg. At the top of a 14 m hill, it has a velocity of 2 m/s. Find its velocity at the botto m.





A ball hangs on a string that is 2 m long. The ball has a mass of 2 kg and is pulled back to an angle of 35 degrees above the vertical and then released. What is its velocity at the bottom?





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Hotwheels Problem A hotwheels car flies off a 1.2 m tall table with a velocity of 3 m/s. What is its final velocity?

