

AP Physics C Lab #5— Rolling Motion

Name _____

Grade _____

In this lab you will examine the motion of a ball rolling down a ramp. First you will examine the kinetic energy and gravitational potential energy of the motion. Perform a scientific experiment to measure these quantities and determine if the sum of these quantities is conserved. In the space below, give a brief outline of your procedure and show your data and calculations. After you have completed the experiment, write a short explanation of your results using appropriate physics concepts. (Hint- since the ball is rolling the work done by the friction between the ramp and the ball is zero)