

Gravitational Potential Energy, Kinetic Energy and the Work done by Gravity

Related videos: 13 – *Forms of Energy in Mechanics: Discovery of Kinetic Energy*, and 14 – *Forms of Energy in Mechanics: Gravitational Potential Energy*.

A skier of 82 kg slides, from rest, 500. meters down a slope with an angle of $10.^{\circ}$. Determine the change in gravitational potential energy, the change in kinetic energy, and the work done by gravity. Assume that there is no friction.

