

Conservation of Energy in Mechanics without work

Related video: 05 – Conservation of Energy in Mechanics

A ball is thrown out of the window of a building. It leaves the window horizontally with a speed of 2.0 m/s. It hits the street below at a speed of 15 m/s. At what height was the ball thrown from? Ignore air-friction.

- Solve this problem WITH conservation of energy
- Solve this problem WITHOUT conservation of energy
- Which one do you think is easier?

