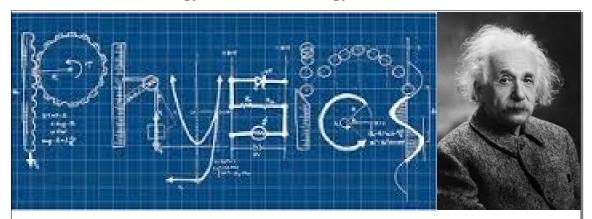
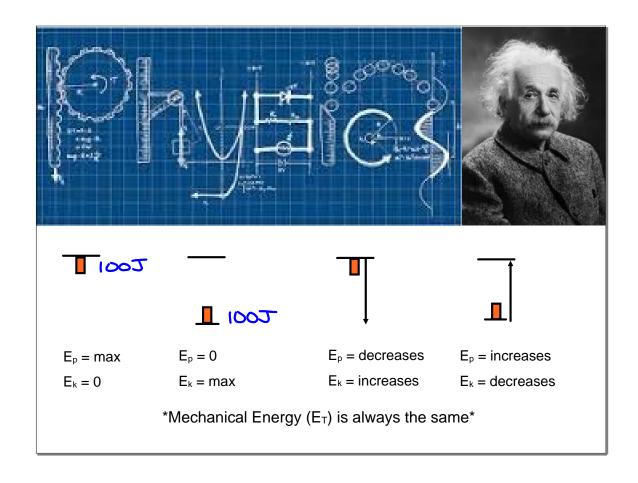
2.8 Law of Conservation of Energy Mechanical Energy.notebook



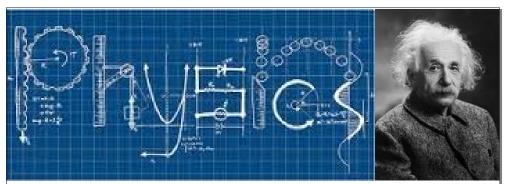
2.8 Law of Conservation of Energy/Mechanical Energy

Recall: The Law of Conservation of Energy states that no energy is destroyed or lost it just changes from one form to another.

Mechanical Energy = Potential Energy + Kinetic Energy

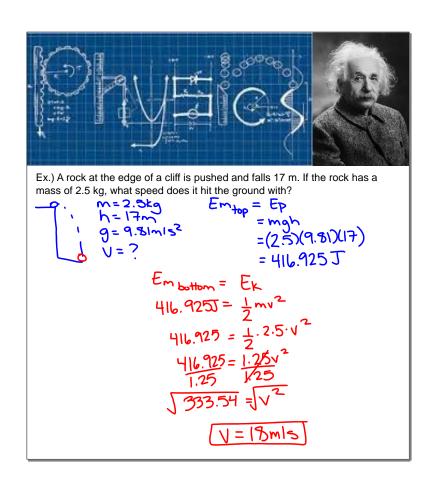


2.8 Law of Conservation of Energy Mechanical Energy.notebook



Ex.) A baseball (13 g) is thrown at a speed of 16 m/s at 2.0 m above the ground. What is the total energy, at the instant the ball was released?

mechanical energy M = 0.013 kg V = 16 m/s h = 2.0 m = (0.013)(9.81)(2.0) + (1/2)(0.013)(1/2) = 0.25506 + 1.664 = 1.97



2.8 Law of Conservation of Energy Mechanical Energy.notebook

