

Law of Conservation of Energy

Energy cannot be created or destroyed.

The total amount of the energy in the universe remains constant.

Energy is transformed from one type of energy to another.

Energy is transferred from one object to another.

At the height max. = GPE max

At height = 0 = KE max

$$GPE_{TOP} = KE_{BOTTOM}$$

$$mgh_{TOP} = \frac{1}{2}mv^2_{BOTTOM}$$

