

Energy Unit

10/19/16
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Vocab:

- potential energy = stored energy because of position or shape

$$\text{GPE} = m \cdot g \cdot h$$

gravitational potential energy mass (kg) gravitational acceleration
9.8 m/sec²
9.8 m/sec/sec

height (m)

- kinetic energy = energy of motion

$$\text{KE} = \frac{1}{2} \cdot m \cdot v^2$$

kinetic energy mass (kg) velocity (m/sec)

- Law of Conservation of Energy:
energy cannot be created or destroyed.
energy can be transformed (changed)