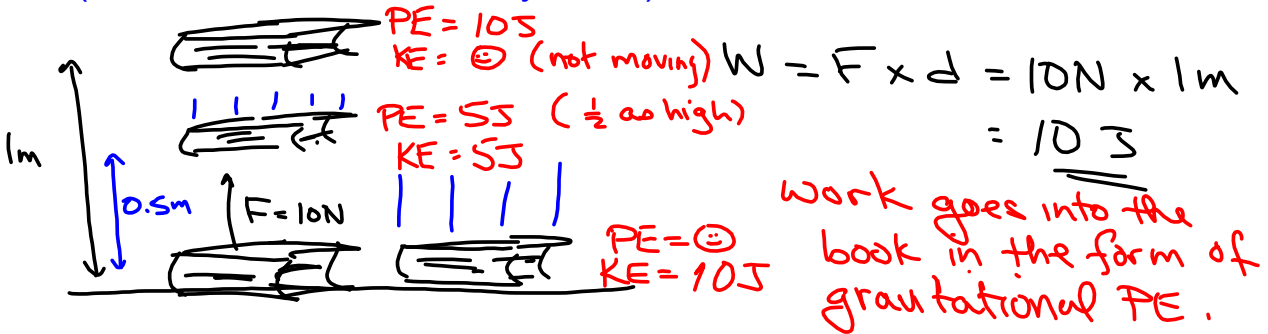


Conservation of Energy

PE = potential energy

(The first law of Thermodynamics)



The total energy remains the same

Conservation - keep the same

1st Law of Thermodynamics - The law of conservation of energy

The total amount of energy remains the same.

- We cannot create energy
- We cannot destroy energy
- We can ONLY move it around (transform it) from one form to another.

Examples:

Light -


Nuclear -

$$E = mc^2$$

E = energy
 m = mass
 c = speed of light
(300 000 km/s)

Temperature of the Universe -

Energy Changes Online Lab

 03_EnergyFormsChanges_Lab.docx

Attachments

03_EnergyFormsChanges_Lab.docx