

**PHYSICS****TYPES OF ENERGY****TYPES OF ENERGY**

Energy is transferred when work is done, but it is also transformed from one kind to another. (*Law of Conservation of Energy*)

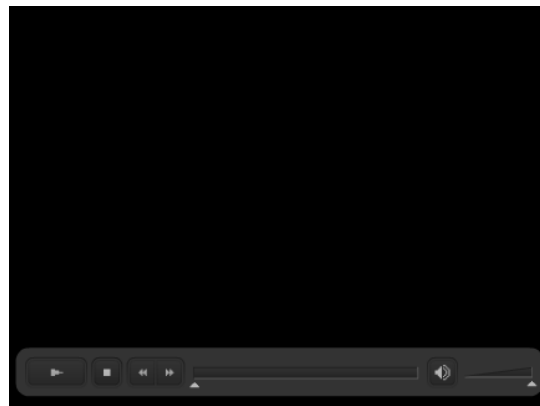
TYPES**Gravitational Potential Energy -**

do work as it falls.

Ex:

**Kinetic Energy -**

Ex:





PHYSICS

TYPES OF ENERGY

Heat Energy -

Ex:



Radiant Energy -

Ex:



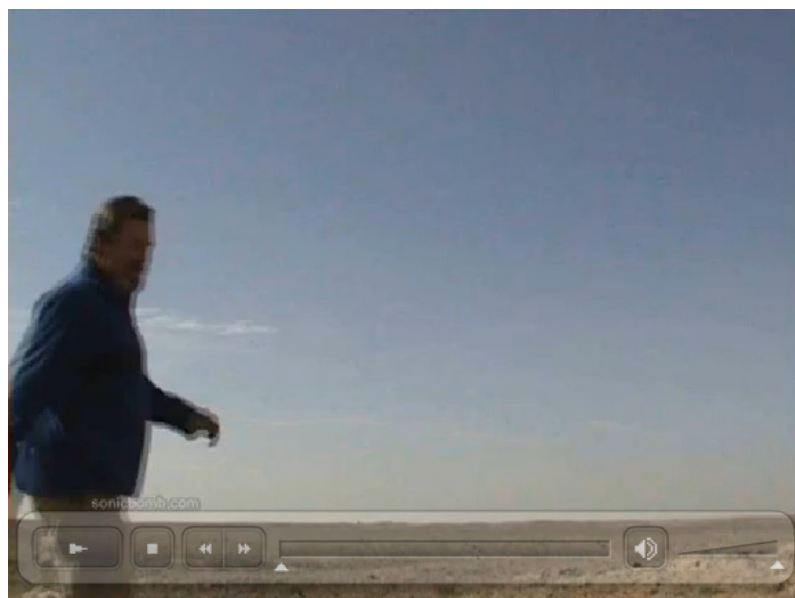


PHYSICS

TYPES OF ENERGY

Chemical Potential Energy -

Ex:



Elastic Energy -

Ex:

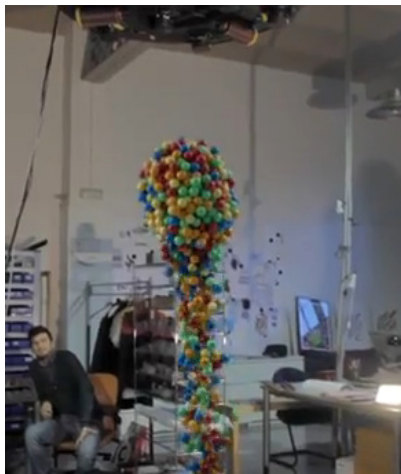




PHYSICS

TYPES OF ENERGY

Electrical Energy -



Nuclear Energy -

Ex:



**PHYSICS****TYPES OF ENERGY**Gravitational Potential Energy**Definition:****Formula:**

$$E_g = mgh$$

Eg -
m -
g -
h -

Ex: What is the gravitational energy of a 4.0kg rock lifted 25m above the ground?

**PHYSICS****TYPES OF ENERGY**KINETIC ENERGY**Definition:****Formula:**

$$E_k = \frac{1}{2}mv^2$$

E_k -
m -
v -

Ex: What is the kinetic energy of a 6.0kg curling stone travelling at 4.0 m/s?



PHYSICS

TYPES OF ENERGY

Homework

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