

CLASS-VIIIC(RANK UP)

SUBJECT : PHYSICS
CHAPTER NUMBER: 4
CHAPTER NAME : ENERGY

CHANGING YOUR TOMORROW

Home Assignment

1. How is work related to energy?
2. What is potential energy? State its unit.
3. Give one example of a body that has potential energy in each of the following
 - a. Due to its position at a height.
 - b. due to its elongated stretched state.
4. State two factors on which the potential energy of a body at a certain height above the ground depends.
5. A body of mass m is moved from ground to a height h . If force of gravity on mass of 1 kg is g newton,
 - a. find the force needed to lift the body.
 - b. find the work done in lifting the body
 - c. find the potential energy stored in the body.

Home Assignment

6. Name the type of energy (kinetic or potential) possessed by the following:

(a) A moving cricket ball

(b) A stone at rest on the top of a building

(c) A compressed spring

(d) A moving bus

(e) A bullet fired from a gun

(f) Water flowing in a river

(g) A stretched rubber band

THANKING YOU
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