



CLASS :7

Subject: physics
Topic: Energy

Date :- 15. 06 .2020
Time:- 30 min

Worksheet No.:10

[Read and learn the notes thoroughly. Copy the questions and solve them on a sheet of paper date wise. Keep the WorkSheet prepared in a file to be submitted on the opening day]

ENERGY

The capacity of a body to do work is known as energy.

S. I unit of energy is joule (J)
C. G. S unit of energy is erg

Other units of energy are

Calorie – The amount of heat energy required to raise the temperature of 1g pure water from 14.5 °C to 15.5 °C is known as one calorie.

Kilocalorie - The amount of heat energy required to raise the temperature of 1kg pure water from 14.5 °C to 15.5 °C is known as one kilocalorie.

1 kilo calorie = 1000 calorie

1 calorie = 4.186 J

1 kilo calorie = 4186 J

Measurement of Energy.

Energy contained in a body is measured by the amount of work done by the body. That is energy is equal to the work done by the body.

Energy. = Work done

Energy = Force x displacement

Types of Energy

There are two types of energy

- 1) Potential Energy
- 2) Kinetic Energy

Potential energy – The energy possessed by a body due to its position and configuration is known as potential energy.

Kinetic energy – The energy possessed by a body due to its motion and configuration is known as kinetic energy.

ANSWER THE FOLLOWING QUESTION

- 1) Define energy
- 2) State the units of energy.
- 3) Define calorie and kilocalorie
- 4) Define kinetic energy and potential energy

