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Energy

Chapter - 5

Q) 1) Define the term energy.

Ans) Energy is the capacity to do work.
The work done on a body in changing its state is said to be the energy possessed by the body.

Q) 2) State the unit of energy & define it.

Ans) The S.I. unit of energy is Joule (J)

A body is said to possess an energy of 1 Joule if 1 Joule work is done to bring the body in that state i.e. a force of 1 newton moves the body by a distance of 1 m in the direction of force.
The another unit of energy is Calorie. (Cal)
 $1 \text{ cal} = 4.2 \text{ J}$