

1. Define the term energy.

Ans- Energy is the capacity or ability to do work.

2. State the S.I. unit of energy and define it.

Ans- The S.I. unit of energy is same as the unit of work. Therefore, the S.I. unit of energy is Joule (J). S.I. unit of force is newton (N). S.I. unit of distance is metre (m).

~~1 J = 1 N x 1 m~~

~~i.e., 1 joule of energy or work is~~

i.e., A body is said to possess an energy of 1 Joule if one joule work is done to bring the body in that state, a force of 1 Newton moves the body by a distance of 1 metre in the direction of force.