

4. What are two kinds of mechanical energy?

Ans → The kinds of mechanical energy are kinetic energy and potential energy.

5. What is potential energy? State its unit.


Ans → Potential energy of a body is the energy possessed by it due to its state and position. The energy of a body at rest is called its potential energy. Actually it is equal to the work done in bringing the body to that state of rest or position. It is represented as P.E. or W. The S.I. unit of potential energy is Joule.

7. State two factors on which the potential energy of a body at a certain height above the ground depends.

Ans → Factors affecting the potential energy of a body placed at a height are:-

- The mass of the body - greater the mass of

the body, greater is the potential energy of the body.

•  Its height above the ground - Higher the height of the body greater is its potential energy.

8. If two bodies A and B of masses 10 kg and 20 kg respectively are at the same height above the ground then, the body B of mass 20 kg has greater potential energy because greater the mass then, greater the potential energy of the body.