

4. What ~~are~~ ^{are} the two kinds of mechanical energy?

Ans. The two kinds of mechanical energy are
i) Potential energy
ii) Kinetic 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 of rest or position. Actually it is equal to the work done in bringing the body to that state of rest or position. It is written as P.E. or U.

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

Ans. The two factors are:-

- i) The mass of the body.
- ii) Its height above the ground.

7. Two bodies A and B of masses 10 kg and 20 kg respectively are at the same height above the ground. Which of the two has greater potential energy.

Ans. B with mass 20 kg ~~is~~ has greater potential energy as, ~~higher~~ ^{Greater} the mass of the body, ~~greater~~ its potential energy.