

Chapter- 4

ENERGY

WORKSHEET

MCQ

1. The SI unit of work is
 - i. second
 - ii. Metre
 - iii. joule
 - iv. newton
2. No work is done by a force if the body
 - i. Moves in the direction of force.
 - ii. Doesnot move.
 - iii. Moves in opposite direction.
 - iv. None of these.
3. 1 HP is equal to
 - i. 1W
 - ii. 1J
 - iii. 764J
 - iv. 746J
4. When a body doubles his speed, his kinetic energy becomes
 - i. Half
 - ii. Double
 - iii. Four times
 - iv. No change.

ANSWER THE FOLLOWING QUESTIONS:

1. Define work.
2. When does a force perform work.
3. State two conditions when no work is done by the force.
4. The moon is revolving around the earth in a circular path. How much work is done by the moon?
5. Write the expression for work done by a force.
6. Define 1J of energy.

