

Chapter- 10

Force, Work and Energy

WORKSHEET

A. FILL IN THE BLANKS:

1. A push that makes a body move or stop moving is called as force.
2. When force is applied on a body to make it move through a distance is known as work.
3. Machine is a tool that makes work easy.
4. The energy that we get from the sun is solar energy.

B. ANSWER IN ONE WORD.

1. When a moving body slows or stops on its own. — Frictional Force
2. A force which is used to move a catapult. — Elastic force
3. A simple slope over which a load can be pushed up or down. — Inclined plane
4. Energy which comes from splitting of an atom. — Atomic energy
5. Energy which we get from sun and wind. — Solar energy

C. CHOOSE THE CORRECT ANSWER:

1. Elastic/ gravitational/ Frictional force is used to move a catapult.
2. Lever/ Pulley/ Screw is made from a wheel and a rope.
3. A bicycle pedal/ nutcracker/ wedge is an example of wheel and axle.
4. A screw/ Wedge/ Pulley is a machine which looks like a nail with grooves cut into it.
5. In loudspeaker sound energy/ mechanical energy/ solar energy is changed into electrical energy.
6. Energy is a force/ ability/ power to do work.

D. LABEL THESE SIMPLE MACHINES GIVEN BELOW.



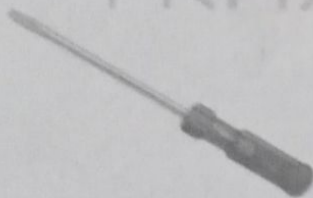
→ Wheel and axle



→ Inclined plane



→ Lever



→ Wheel and axle