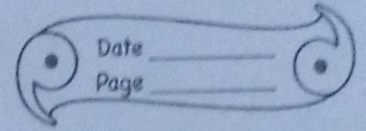


# CHAPTER - 11

## FORCE AND ENERGY WORKSHEET



1. Choose the correct answer.

1. The force that helps us to walk.

a. Frictional force

b. Elastic force

c. Buoyant force

d. Mechanical force

2. Tweezers are example of

a) Inclined plane

b) lever

c) Wheel and axle

d) Wedge

3. Ramp is a/an

a. lever

b. wheel and axle.

c. wedge

d. Inclined plane

4. Which energy is produced by the vibration of an object.

a. Electrical energy

b. Heat energy

c. Light energy

d. Sound energy

5. Which energy is used to run a fan?

Ans

a. Electrical energy

b. Heat energy

c. Light energy

d. Sound energy

11. Fill in the blanks

1. Energy can neither be created nor destroyed.

2. The pulley used for drawing water from a well is a fixed pulley.

3. Elastic force arises when a body deforms.

4. When the effort is between the fulcrum and the load, it is a third-class lever.

5. Effort can change the shape of an object.

11. Change the underlined words to make the statement correct

1. Buoyant force helps us to stay on the ground. Gravitational force

2. A wheel with a rod attached to it is known as a pulley wheel and axel

3. ~~Force~~ <sup>Energy</sup> is the ability to do work.
4. ~~Solar~~ <sup>Heat</sup> energy is heat from within the earth.
5. The sun is the source of ~~sound~~ <sup>solar</sup> energy.

IV. Complete the series.

1. musical instruments : Washing machine :: Radio :

Sound energy.

2. Flag pole : \_\_\_\_\_ :: Crane : Movable pulley.

3. Egg beater : Wheel and axle :: Screw Jack : \_\_\_\_\_

Screw

4. Water : Buoyant force :: Muscles : Muscles force.

5. Fishing rod : Third-class lever :  
Nutcracker : second-class lever