

Ch-11
Force and Energy
WORKSHEET

1. Choose the correct Answer

1. The force that helps us to walk is:
Frictional force

- a. Frictional force
- b. Elastic force
- c. Buoyant force
- d. Mechanical force

2. Tweezers are examples of: Levers

- a. Inclined plane
- b. Levers
- c. wheel and axle
- d. wedge

3. Ramp is an: Inclined plane

- a. Levers
- b. wheel and Axle
- c. wedge
- d. Inclined plane

4. Which energy is produced by the vibration of an object? : Sound Energy

- a. Electrical Energy
- b. Light Energy
- c. Heat Energy
- d. Sound Energy

5. Which energy is used to run a ~~fan~~ fan? Electrical Energy
- Electrical Energy
 - Heat Energy
 - Light Energy
 - Sound Energy

11. Fill in the blanks.

- Energy can neither be created nor destroyed.
- The pulley used for drawing water from a well is a Fixed pulley.
- Elastic force arises when a body deforms.
- When the effort is in between the fulcrum and the load, it is a third class lever.
- Force can change the shape of an object.

11. Change the underlined words to make the statement correct.

- Buoyant force helps us to stay on the ground. -
- A wheel with a rod attached to its known as a pulley -

3. Force is the ability to do work -

4. Solar energy is heat from within the Earth.

5. The Sun is the source of sound energy -

IV. Complete the series.

1. mechanical energy: Washing Machine :: Radio: Sound energy.

2. Flaggpole: Fixed pulley :: Crane: Movable pulley

3. Egg Beater: wheel n' axle :: Screw: Screw jack.

4. water: buoyant :: Muscles: Muscular force

5. Fishing rod: Third class lever:
Nutcracker: Second class lever