

Chapter - 11

Force and energy

WORKSHEET

1. a. Frictional force
 2. b. Lever
 3. d. Inclined plane
 4. d. Sound energy
 5. a. Electrical energy
11. a. Energy can be neither created nor destroyed.
- b. The pulley used for drawing water from a well is a fixed pulley
- c. Elastic force arises when a body

deforms.

4. When the effort is between the fulcrum and the load and the fulcrum, it is a Third-Class lever

5. Force can change the shape of ~~of~~ object.

Gravitational

11. Buoyant force helps us stay on the ground.

2. A wheel with a rod attached to it is known as a potter's wheel and axle

Geothermal

3. Solar energy is the heat from within the earth

Energy

4. Force is the ability to do work.

5. Sun is the source of ~~sound~~ ^{solar} energy

IV. Complete the series

1. Electrical energy : Washing Machine ::

Radio : Sound energy.

2. Flag pole : ~~the~~ Fixed pulley :: Crane :

Movable pulley

3. Egg beater = Wheel & Axle :: Screw jack :

Screw

4. Water : ~~the~~ Buoyant force :: Muscles :

Muscular force

5. Fishing rod : third class lever :: Nut cracker

: Second class lever.