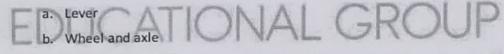
## Chapter- 11

## Force and Energy

## WORKSHEET

- I. 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 examples of
  - a. Inclined plane
  - b. Lever
  - c. Wheel and axle
  - d. Wedge
- 3. Ramp is a/an



Changing your Tomorrow

- c. Wedge
- d. Inclined plane
- 4. Which energy is produced by the vibration of an object?
  - a. Electrical energy
  - b. Light energy
  - c. Heat energy
  - d. Sound energy
- 5. Which energy is used to run a fan?
  - a. Electrical energy
    - b. Heat energy
    - c. Light energy
    - d. Sound energy

II.	Fill in the blanks.
1.	Energy can neither be created nor destroyed.
2.	The pulley used for drawing water from a well is a <u>fixed</u> pulley.
3.	<u>Elastic</u> force arises when a body deforms.
4.	When the effort is in between the fulcrum and the load, it is a third-class
	lever.
5.	Force can change the shape of an object.
m	Change the underlined words to make the statement correct.
1.	Buoyant force helps us to stay on the ground. Gravitational
2.	A wheel with a rod attached to it is known as a <u>pulley</u> . Wheel - and - Axle
3.	Force is the ability to do work. Energy
4	Solar energy is heat from within the earth Goothermal

IV.	EDILICATIONAL GROUP
1.	Electrical A: Washing machine :: Radio: Sound energy.
2.	Flagpole: Eixed pulley :: Crane: Movable pulley.
3.	Egg beater: Wheel and axle:: Screw jack:Screw
4.	Water: Buoyant force:: Muscles: Muscular force.
5.	Fishing rod: Third-class lever: Nutcracker: Second-class-lever

5. The sun is the source of <u>sound</u> energy. Solarc