

# Force and Energy



## Worksheet:

1.1) The force that helps us to walk

a. Frictional force

2) Tweezers are examples of

b. Lever

3) Ramp is a/an

d. Inclined plane

4) Which energy is produced ~~with~~ by the ~~sound~~ of vibration of an object?

d. ~~5~~ Sound energy

5) Which energy is used to run a fan

a. Electrical energy

11.1) Energy can neither be created nor destroyed.

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

3) Elastic force arises when a body deforms.

4) When effort is ~~in~~ in between the fulcrum and the load, it is a second class lever.

5) \_\_\_\_\_ can change the shape of an object.

11.1. Gravitational

2. Wheel and axle

3. energy.

4. Heat

5. Heat energy

IV: 1. Electric energy Washing <sup>machine</sup> ~~machine~~  
Sound energy

2. Flagpole: fixed pulley :: Crane: Movable pulley

3. Egg beater wheel and axle ::  
Screw jack: screws

4. Water: Bouyant force ::  
Muscles: Muscular force.

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