

Ch-11  
Force and energy

A Tick (✓) the correct answer

1) We are able to stay on the ground because

of

- a) gravitational force
- b) elastic force
- c) buoyant force
- d) frictional force

2) A screwjack used to lift a car is

- a. first-class lever
- b. pulley
- c. ~~second-class lever~~
- d. ~~screw~~

3) The most readily available source of energy is

- a. Wind energy
- b. Solar energy
- c. Geothermal energy
- d. water energy

4) The upward push of water on a floating object is called

a) buoyant force b) volume c) density d) pressure

B Fill ~~D~~ in the blanks

1. Most simple machines make use of mechanical force

2. There is no gravitational force in space.

3. Simple machines change the direction of applied force.

4. A moving car possesses mechanical energy due to its position.

5. An inclined plane is a simple machine which makes work easier.

C. Change the underlined words to correct these statements.

1 A stretched rubberband regains its original position on being released because of gravitational force.

Ans A stretched rubberband regains its original position on being released because of elastic force.

2 Geothermal energy is non-renewable source of energy.

Ans Geothermal energy is renewable source of energy.

3 The pulley used for drawing water a well is a movable pulley.

Ans The pulley used for drawing water a well is fixed pulley.

4 Simple machines make our work simplified.

Ans Simple machines make our work easy.

5 We are are able to walk because of elastic force.

Ans We are able to walk because of muscular force