

HW  
22/12/21

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

- 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 energy
- b. volume
- c. density
- d. pressure

B. Fill in the blanks.

- 1) Most simple machines make use of \_\_\_\_\_ force.
- 2) There is no \_\_\_\_\_ force in space.
- 3) Simple machines change the \_\_\_\_\_ of applied force.
- 4) A moving car possesses mechanical energy due to its \_\_\_\_\_.
- 5) An inclined plane is a \_\_\_\_\_ 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.

2) Geothermal energy is a non-renewable source of energy.

Ans-

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

Ans-

4) Simple machines make our work complicated.

Ans-

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

Ans-