

22.12.21
Wednesday

Let us answer.

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 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 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 force or increase of applied force.
4. A moving car possesses mechanical energy due to its motion.
5. An inclined plane is a slope 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 a non-renewable source of energy.

Ans - Geothermal energy is a renewable source of energy.

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

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

4. Simple machines make our work complicated.

Ans- Simple machines make our work easier.

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

Ans- We are able to walk because of gravitational force.