

Hw  
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# Ch-11 Force and energy

classmate

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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 screw jack 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 force.

b. volume

c. density

d. pressure

B. Fill in the blanks.

1. Most simple machines make use  of muscular/applied 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 motion.
5. An inclined plane is a slope which makes work easier.

C. Change the underlined ~~work~~ words to correct these statements.

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

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

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

✗ Geothermal energy is a renewable source of energy.

3. The pulley used for drawing water from a well is a movable pulley.
- ★ The pulley used for drawing water from a well is a fixed pulley.
4. Simple machines make our ~~making~~ work complicated.
- ★ Simple machine make our work easier and faster.
5. We are able to walk because of elastic force.
- ★ We are able to walk because of frictional force.