

HW
24/12/21
Friday

A.

1. We are able to stay on the ground because of
- a. gravitational force. ✓
 - b. elastic force.
 - c. buoyant force. ~~d~~
 - 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,

1. Most simple machines makes use of ^{mechanical} ~~mechanical~~ force

2. There is no gravitational force in space.

3. Simple machines change the shape of applied force.

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

5. An inclined plane is a slope which makes work easier

c.

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

Ans - A stretched rubber band 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 ~~movable~~ ^{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.