

EVERWIN VIDHYASHRAM

STD: IV

EVS

Ln-1 Going to School

I. Value based points:

1. A pulley helps us in lifting a heavy thing.
2. A cement bridge is stronger than a wooden bridge.
3. A river can be crossed by a vallam.
4. Camel is the ship of the desert.
5. In Rajasthan Tonga is used as a mode of transport.
6. Jugad is a vehicle made by using waste material.
7. The force which slows down or stops moving objects is called frictional force.
8. Uttarakhand is famous for rocky and uneven paths.
9. Thar desert is also known as Great Indian Desert is situated in Rajasthan.
10. The trolley is used to cross the wide and deep river.
11. Two types of forces are gravity and frictional force.
12. The ability to do work is called energy.
13. Work = Force x displacement (Distance Covered).
14. The pull between the earth and other objects is called gravity.
15. Simple machines are used to make our work easier and faster with less effort.

Force, Work and Energy

II. Answer in detail:

1. Define Force .

Ans: A Pull or push, acting on an object is called force.

2. Name the different types of forces. (any four)

Ans: * Magnetic Force
 * Muscular Force
 * Elastic Force
 * Frictional Force

3. What is known as energy?

Ans: The ability of a body to do work is called energy.

Energy can change from one form to another.

4. Describe some common forms of energy (Any Four)

- * Light Energy
- * Sound Energy
- * Heat Energy
- * Wind Energy

5. What are simple machines ?Give Examples.

Ans: Simple tools which help us do our work easily and in a lesser period of time are called simple machines (Eg: Lever, Screw)

III. Answer in paragraph.

1. Explain any three different types of simple machines with examples.

Ans: (i) Wheel and axle.

Wheel and axle are made up of two circular objects in which one object is bigger than the other, one is a wheel and other is an axle. (Eg: Pedals of the cycle)

(ii) Screw.

A Nail with grooves in it is called a Screw.

(Eg: Jack)

(iii) Wedge.

A wedge is made up of two inclined planes. The two planes meet and form a sharp edge.

(Eg: Knife)

IV. Diagram.

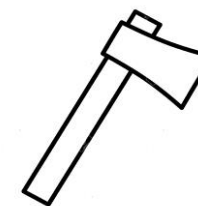
1. Draw one example for the following simple machine.

a) Lever



Bottle Opener

b) Wedge



Axe