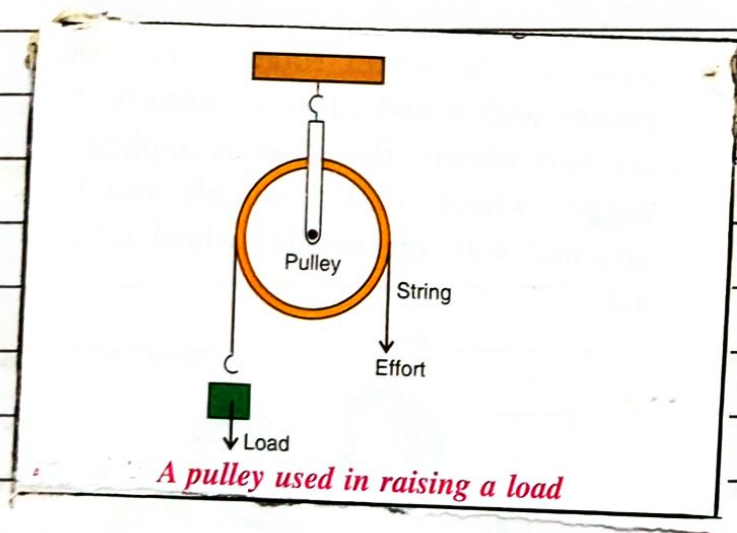


Tender Heart High School, Chandigarh Date .....  
Class-VI Subject - Physics Date: 21-10-24  
L-4 Simple Machines.

Good Morning students!

This lesson is of class-VI, for the subject of Physics, Chapter-4, Simple Machines, of your textbook Concise Physics, Selina Publishers. It is being submitted to you on 21.10.2024. In the last lecture, we studied about types of levers. In this lecture, we will study about some simple machines.

**Pulley:-** A pulley is a simple machine by which the direction of effort is changed to raise up a load.



**Wheel and axle:-** It consists of either a wheel attached to an axle or two wheels attached together. It provides linear motion by the rotation of wheel and reduces friction. eg: Steering wheel of car.

Class-VI

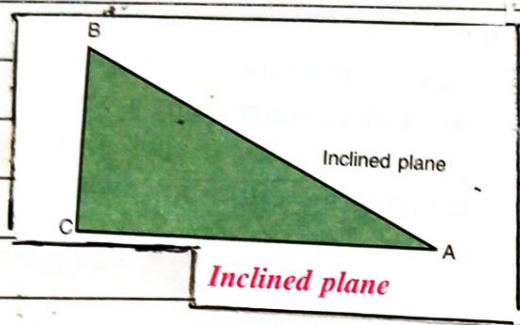
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Subject: Physics  
Simple Machines.

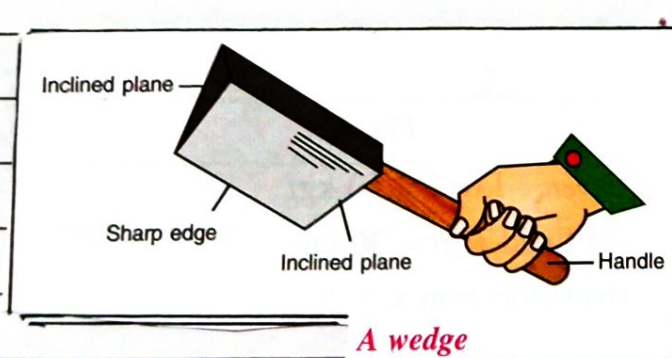
Date 21.10.2024

Teacher: Nimrita

Inclined plane:- It is a slanting wooden plank or a sloping surface. It is a simple machine which is used to move a load up with a less effort. eg: A ramp, staircases.



Wedge:- A wedge is a simple machine having a sharp edge which is formed by putting two inclined planes together. eg: Knife, Saw.



Screw:- It appears like a nail with grooves on its circular curved surface.

Class-VI

Teacher: Nimmita

Subject - Physics Date: 21.10.2024  
L4, Simple Machines.

The grooves are called as threads. One end of screw is narrow, it is called as tip and the other end is made flat, it is called as head. It is a modified form of inclined plane.



Care of machines:

- Machines should be kept free from dust.
  - Machines should be painted.
  - Machines should be properly lubricated.
- I am ending today's topic
- Last page.