

Tender Heart High School, Chandigarh

Date: 18.11.24

Class-V

Subject - Science

Chapter - 11

Machines

Teacher - Ms Nimrita

Good Morning Children! This lesson is for Class-V, Subject - General Science, Chapter - 11, Machines of your textbook New Trends in Science, Evergreen Publications. It is being submitted to you on

18th November 2024

Today, we are going to learn about machines. A machine is a device which makes our work faster and easier.

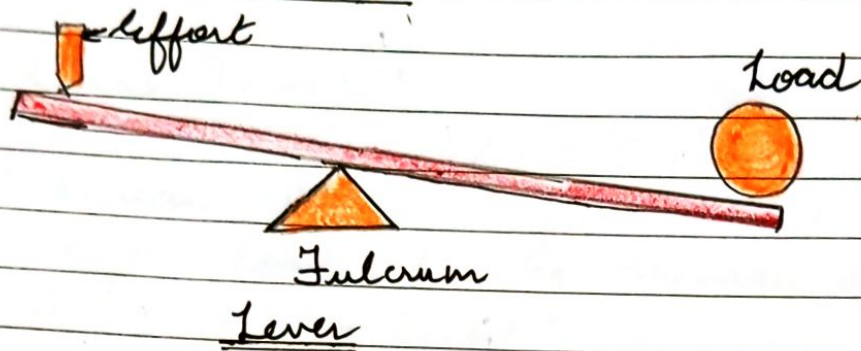
Simple Machines: The equipments that are designed to make our work easier are known as simple machines. eg: Knife, scissors.

Complex Machines: It is a combination of two or more simple machines. eg: Car, Washing machine.

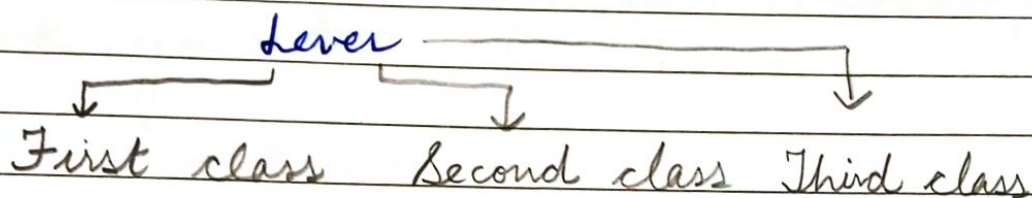
Lever:- A lever is a rigid rod which is free to move about a fixed point. The fixed point is called Fulcrum. The force which is applied is Effort and the object to be lifted is Load.

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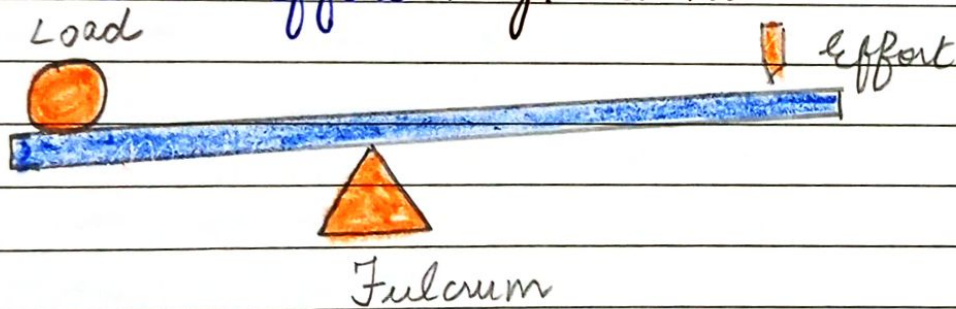
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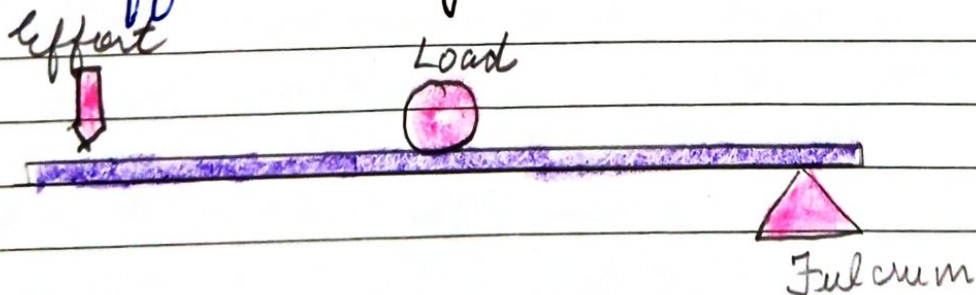
Types of Levers: There are three types of levers.



1) First class lever: In this class, Fulcrum lies in between the Load and the Effort. Eg: Sea Saw.



2) Second class lever: In this class, Load (L) lies in between Fulcrum (F) and Effort E. Eg: Nut cracker.



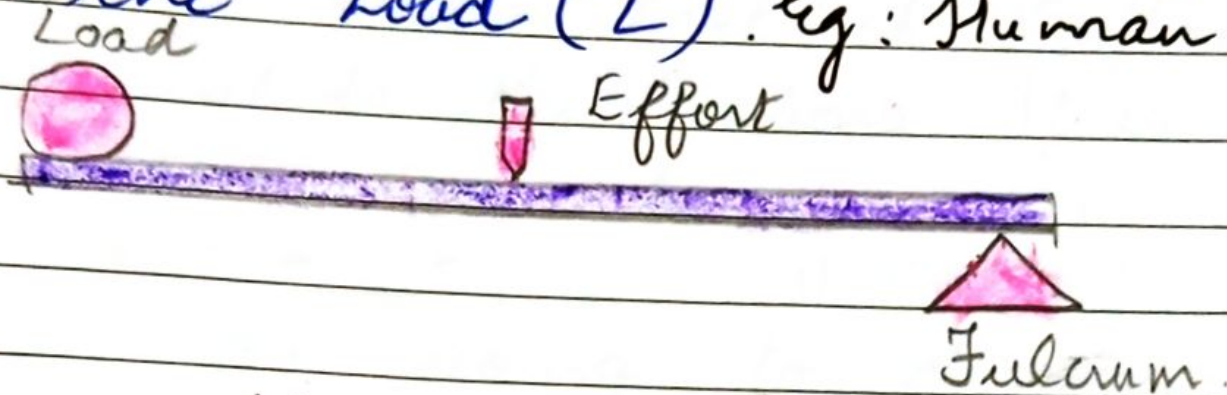
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In this type, Effort (E) lies in between the Fulcrum (F) and the Load (L). Eg: Human arm.



I am ending today's topic. Do worksheet (page 138).
Thank you!