

SIMPLE MACHINES

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What is a simple machine?

Simple machines are tools that makes it easier to:

1. Move things
2. To do work

Different kinds of simple machines

1. Lever
2. Pulley
3. Inclined Planes
4. Wheel and Axle

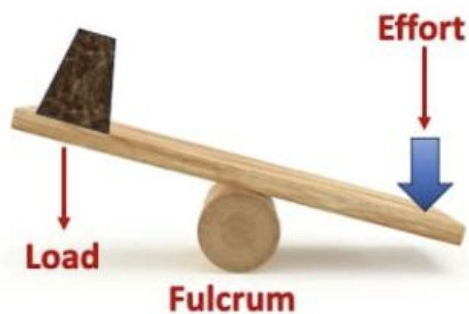
Lever

There are three types of Levers:

1. 1st Order
2. 2nd Order
3. 3rd order

There are three main parts in a lever- Load, effort and fulcrum. The order of the lever depends on the position of the Load, effort and fulcrum.

Types of Levers



Class-I or First Order Lever



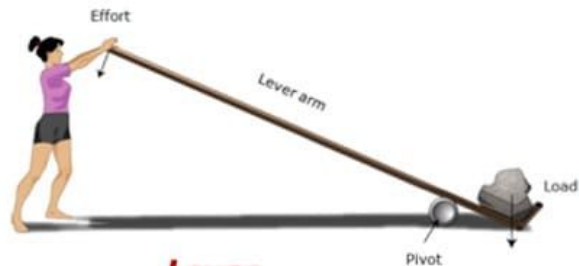
Class-III or Third Order Lever



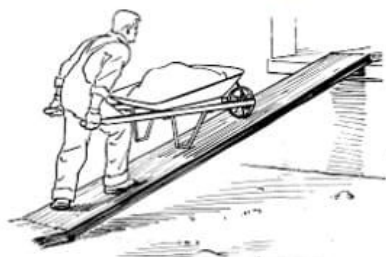
Class-II or Second Order Lever



Types of Simple Machine



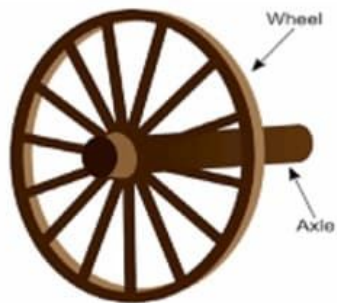
Lever



Inclined Plane



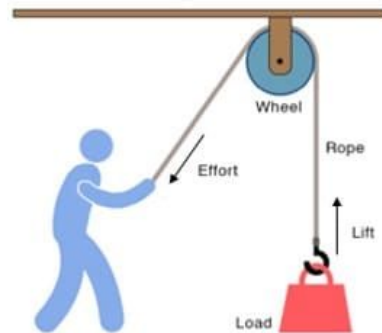
Wedge



Wheel and Axle



Screw



Pulley

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Simple Machines



Music Video

Simple Machine Dance



Now create your own simple machine dance