

## Lever and Types of Lever



It is a simple machine with a bar that rests on a fulcrum.

**For understanding lever you must know first about:**

**A. Fulcrum:**

A rod is used to lift an object with a stone kept in between. The point against which a lever is placed on which it turns or is supported is called fulcrum.

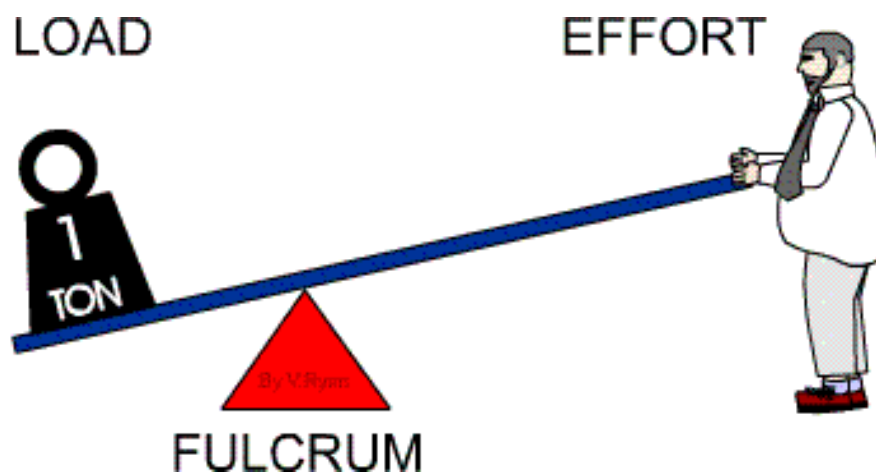
**B. Effort:**

The force that we apply to move any object is called Effort.

**C. Lever:**

When we apply force to one side and pushed down and the other side lifts up. Any tool resting on a pivot is called lever.

**For example** scissors and staplers are lever. These are the common items that use as levers in our daily life.



# Lever and Types of Lever



Now we will learn types of lever. There are three types of levers:

## A. First Class Lever:

It is a lever in which fulcrum is between load and effort. For example: pliers and scissors.

## B. Second Class Lever:

In this lever the load is between fulcrum and effort. For example: wheel barrow and bottle opener.

## C. Third Class Lever:

It is a lever in which effort is between the load and the fulcrum. For example: ice tongs and tweezers.

