## VIDYA BHAWAN BALIKA VIDYAPEETH

## STUDY MATERIAL SCIENCE CLASS-VIII

Date: 14-02-2021 Teacher: Poonam Kumari

## Force and pressure

## Pressure:

It is known that vegetables are easy to cut with a sharp knife than with a blunt one and It is easy to sew with a sharp needle rather than a blunt one.

Similarly, a nail cannot driven into wood by its head but only by its pointed tip.

This is due to the fact that a sharp edge or a pointed tip effectively increases the acting pressure by many folds since the applied pressure is concentrated on a very small area.

The force acting perpendicularly per unit aren on a surface is called pressure

Pressure = _	force.	
	area on which it acts	