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- A: Vapour pressure
- B: Viscosity**
- C: Surface tension
- D: Capillary action

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**The Right Option here is (B)**

## **Internal Resistance of Liquid**

The magnitude of internal resistance or friction in a fluid which is measured by the force per unit area resisting the uniform flow is commonly known as **Viscosity**.

## **What is Viscosity?**

Other terms of viscosity are dynamic viscosity, absolute viscosity, or simple viscosity. In simple words, it is defined as internal resistance or friction present in a fluid.

## **Symbol of Viscosity**

It is represented by the Greek letter  $\eta$  (eta).

## **Unit of Viscosity:**

The SI unit of viscosity is the pascal second [Pa s]. The Gaussian unit of viscosity is the poise [P = dyne s/cm<sup>2</sup>]. While Ten poise equal one pascal second [10 P = 1 Pa s].

## Factors Affecting Viscosity

- Viscosity varies with the material. (Viscosity is a property of materials.)
- The viscosity of simple liquids...
  - decreases with increasing temperature
  - increases under very high pressures.
- The viscosity of gases...
  - increases with increasing temperature
  - is independent of pressure and density.