



The internal resistance of a liquid to flow is known as

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

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 η (eta).

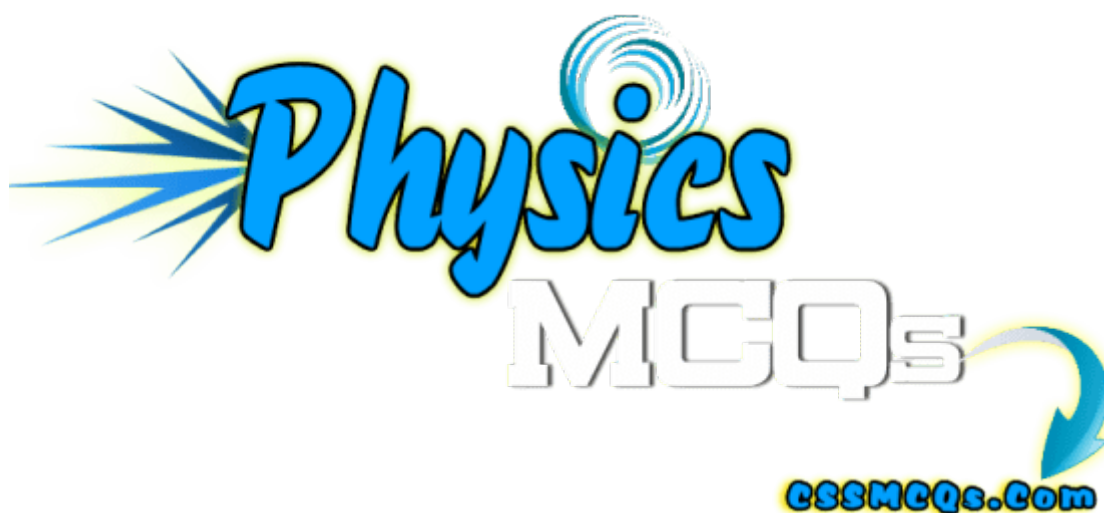
Unit of Viscosity:

The SI unit of viscosity is the pascal second [Pa s]. The Gaussian unit of viscosity is the poise [$P = \text{dyne s/cm}^2$]. While Ten poise equal one pascal second [$10 P = 1 \text{ Pa s}$].

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.
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