The internal resistance of a liquid to flow is known as

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 = dyne s/cm^2]. 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.

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