

CLASS 11

PHYSICS

REVISION NOTES

Class 11 Physics Chapter 9 Mechanical Properties of Fluids – Revision Notes

Quick revision notes for Class 11 Physics Chapter 9 (Mechanical Properties of Fluids). These Class 11 Physics Chapter 9 notes are ideal for quick revision just before exams.

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Pressure

$P = F/A$; at depth h : $P = P_0 + \rho gh$.

Pascal's law: pressure transmitted equally in enclosed fluid.

Buoyancy and Flow

Archimedes' principle: buoyant force = weight of displaced fluid.

Continuity: $A_1 v_1 = A_2 v_2$.

Bernoulli and Viscosity

Bernoulli: $P + \frac{1}{2} \rho v^2 + \rho gh = \text{constant}$.

Stokes' law: $F = 6\pi\eta r v$.

One-Line Summary

Mechanical properties of fluids cover pressure, buoyancy, flow continuity, Bernoulli's principle, viscosity, and surface tension — the physics governing how liquids and gases behave at rest and in motion.

Class 11 Physics Chapter 9 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Physics Chapter 9 Solutions](#) and [Class 11 Physics Chapter 9 Extra Questions](#).

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