

CLASS 11

PHYSICS

REVISION NOTES

Class 11 Physics Chapter 2 Motion in a Straight Line – Revision Notes

Quick revision notes for Class 11 Physics Chapter 2 (Motion in a Straight Line). These Class 11 Physics Chapter 2 notes are ideal for quick revision just before exams.

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Class 11 Physics Chapter 2 – Solutions and Important Questions

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Key Terms

Distance (scalar) vs Displacement (vector).

Average speed = distance/time; Average velocity = displacement/time.

Instantaneous velocity = dx/dt ; Instantaneous acceleration = dv/dt .

Kinematic Equations

$$v=u+at; x=ut+\frac{1}{2}at^2; v^2=u^2+2ax.$$

Graphs

Position-time slope = velocity.

Velocity-time slope = acceleration; area = displacement.

Relative Velocity

$$V_{AB} = V_A - V_B.$$

One-Line Summary

Motion in a straight line is described using position, displacement, velocity, and acceleration (including instantaneous, calculus-based definitions), governed by three kinematic equations for uniform acceleration.

Class 11 Physics Chapter 2 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Physics Chapter 2 Solutions](#) and [Class 11 Physics Chapter 2 Extra Questions](#).

See also: [Chapter 1](#) | [Chapter 2](#)

Practice more: [Chapter 1](#) | [Chapter 2](#)

Quick revision: [Chapter 1](#)

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