

CLASS 11

PHYSICS

REVISION NOTES

## Class 11 Physics Chapter 10 Thermal Properties of Matter – Revision Notes

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Quick revision notes for Class 11 Physics Chapter 10 (Thermal Properties of Matter). These Class 11 Physics Chapter 10 notes are ideal for quick revision just before exams.

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Class 11 Physics Chapter 10 – Solutions and Important Questions

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## Temperature and Expansion

$$K = ^\circ C + 273.15.$$

$$\Delta L = L\alpha\Delta T; \Delta A = A\beta\Delta T (\beta = 2\alpha); \Delta V = V\gamma\Delta T (\gamma = 3\alpha).$$

## Heat and Calorimetry

$$Q = mc\Delta T; Q = mL \text{ (phase change).}$$

Calorimetry: heat lost = heat gained.

## Heat Transfer

Conduction, convection, radiation.

$$\text{Stefan-Boltzmann: } E = \sigma T^4.$$

## One-Line Summary

Thermal properties of matter cover temperature measurement, thermal expansion, specific/latent heat, and the three modes of heat transfer — conduction, convection, and radiation.

## Class 11 Physics Chapter 10 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Physics Chapter 10 Solutions](#) and [Class 11 Physics Chapter 10 Extra Questions](#).

**See also:** [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#) | [Chapter 9](#) | [Chapter 10](#)

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