

CLASS 6

SCIENCE

NCERT SOLUTIONS

Class 6 Science Chapter 8 A Journey through States of Water NCERT Solutions

Chapter 8 of the Class 6 Science textbook Curiosity is A Journey through States of Water. It explores the three states of water, and the processes of evaporation, condensation, and the water cycle. These Class 6 Science Chapter 8 solutions are also useful as quick revision notes before exams.

Contents

- The Three States of Water
- Evaporation and Condensation
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- Class 6 Science Chapter 8 – Notes and Extra Questions

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The Three States of Water

Q: What are the three states of matter shown by water? Give one example of each.

A: Water has three states: solid (ice), liquid (ordinary water), and gas (water vapour/steam). Examples: ice frozen in a freezer (solid), tap water (liquid), and steam rising from boiling water (gas).

Evaporation and Condensation

Q: What is the difference between evaporation and condensation?

A: In evaporation, liquid water absorbs heat and turns into gas (vapour); this happens at any temperature but faster with more heat. In condensation, water vapour loses heat and turns back into liquid water — for example, droplets forming on the outer surface of a cold glass of water is an example of condensation.

Melting and Freezing

Q: What are melting and freezing, and at what temperature does each occur for water?

A: Melting is the change of a solid into a liquid on gaining heat; ice melts into water at 0°C . Freezing is the reverse change of a liquid into a solid on losing heat; water freezes into ice at 0°C as well — the same temperature works both ways depending on direction of heat flow.

The Water Cycle

Q: Briefly describe the water cycle.

A: Heat from the Sun evaporates water from oceans, rivers and lakes into water vapour, which rises and cools in the atmosphere to condense into tiny droplets, forming clouds. These droplets combine and eventually fall back to Earth as rain, snow, or other precipitation, before flowing back into water bodies to repeat the cycle.

Class 6 Science Chapter 8 – Notes and Extra Questions

Along with these NCERT Solutions, students can also use the [Class 6 Science Chapter 8 Extra Questions](#) and [Class 6 Science Chapter 8 Revision Notes](#) for quick revision and extra practice.