

CLASS 6

SCIENCE

REVISION NOTES

## Class 6 Science Chapter 12 Beyond Earth – Revision Notes

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Quick revision notes for Class 6 Science Chapter 12 (Beyond Earth). These Class 6 Science Chapter 12 notes are ideal for quick revision just before exams.

### Contents

The Solar System

Stars and Constellations

Why Constellations Change with Time

The Pole Star

Phases of the Moon

Satellites

Beyond the Solar System

One-Line Summary

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## The Solar System

Sun at the centre; eight planets revolve around it, along with moons, asteroids, and comets.

Earth is the third planet from the Sun; the only known planet to support life.

## Stars and Constellations

Constellation: a recognisable star pattern formed by imaginary lines, often named after animals/objects/characters.

Examples: Big Dipper/Saptarishi (Ursa Major), Orion.

Historically used for navigation (before the compass) and tracking seasons.

## Why Constellations Change with Time

Earth's orbit around the Sun + rotation on its axis → different parts of sky visible at different times/seasons.

## The Pole Star

Appears almost fixed in the northern sky (lies near Earth's rotational axis).

Located using the Big Dipper/Saptarishi pattern; used to find north.

## Phases of the Moon

Moon reflects sunlight; doesn't produce its own light.

Visible sunlit portion changes as Moon orbits Earth → phases (new moon to full moon), cycle of about a month.

## Satellites

Natural satellite: forms naturally, e.g. the Moon (Earth's only natural satellite).

Artificial satellite: human-made, launched for communication, weather, navigation, research.

## Beyond the Solar System

Milky Way galaxy: billions of stars, visible as a faint band of light; contains our solar system.

Universe contains billions of galaxies beyond the Milky Way.

## One-Line Summary

Beyond Earth takes us from our solar system to stars, constellations, the Pole Star, Moon phases, and satellites, and finally to the Milky Way and the vast universe of billions of galaxies beyond it.

**See also:** [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#) | [Chapter 9](#) | [Chapter 10](#) | [Chapter 11](#) | [Chapter 12](#)

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**Quick revision:** [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#) | [Chapter 9](#) | [Chapter 10](#) | [Chapter 11](#)