NCERT – GRADE 7 CHEAT SHEET

EARTH, MOON AND SUN

Explore our cosmic neighbours!

Pumpa

Based on NCERT (Curiosity) – Textbook of Science for Grade 7 | Chapter 14 | Reprint 2026–27 | Pages 121–136

1. The Sun – Our Star

- A huge ball of hot gas (mainly hydrogen and helium).
- Gives us light and heat.
- Its gravity holds the solar system together.



The Sun is a star, not a planet.

2. The Earth – Our Home

- The third planet from the Sun.
- Has air, water and life.
- Rotates on its axis (daily cycle) and revolves around the Sun (yearly cycle).



3. The Moon – Earth's Companion

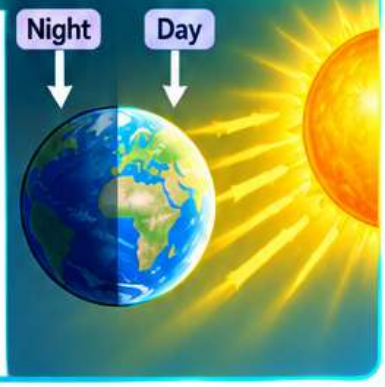
- A natural satellite of Earth.
- Does not produce its own light; reflects sunlight.
- Moves around Earth in about 29½ days.



The Moon's light is reflected sunlight.

4. Day and Night

- Caused by the Earth's rotation on its axis.
- The side facing the Sun has day; the opposite side has night.



5. Phases of the Moon

- As the Moon revolves around Earth, we see different shapes.
- **Phases:** New Moon, Crescent, First Quarter, Gibbous, Full Moon, Last Quarter.



6. Eclipses

- **Solar Eclipse:** Moon comes between Sun and Earth. (Blocks sunlight)
- **Lunar Eclipse:** Earth comes between Sun and Moon. (Moon looks reddish)





7. Tides

- Caused by the Moon's gravitational pull on Earth's oceans.
- Two high tides and two low tides a day.



8. Quick Facts & Key Takeaway

Quick Facts

- ✓ Sun: a star
- ✓ Earth: our home
- ✓ Moon: reflects sunlight
- ✓ Phases: 8 main phases
- ✓ Eclipses: solar & lunar
- ✓ Tides: due to Moon

Key Takeaway

The Sun gives us life, the Moon brings wonder, and the Earth is our home!

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