

CLASS 4

EVS

EXTRA QUESTIONS

Class 4 EVS Chapter 10 Our Sky – Extra Questions with Answers

Class 4 EVS Chapter 10, Our Sky, covers the sun, moon, stars, day-night, and seasons. These extra questions test understanding of these basic astronomy concepts.

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Class 4 EVS Chapter 10, **Our Sky**, covers the sun, moon, stars, day-night, and seasons. These extra questions test understanding of these basic astronomy concepts.

Quick Concept Recap

The sun is a star; the moon reflects sunlight and does not produce its own light.

Day-night is caused by Earth's rotation; seasons are caused by Earth's tilt and orbit.

Stars are visible mainly at night because sunlight outshines them during the day.

Multiple Choice Questions (MCQs)

Q1. The moon shines because it:

(a) produces its own light (b) reflects sunlight (c) is on fire (d) is a star

Answer: (b) reflects sunlight

Q2. Day and night occur because of the Earth's:

(a) size (b) rotation on its axis (c) colour (d) distance from the moon

Answer: (b) rotation on its axis

Q3. What are stars mainly made of?

(a) rock (b) water (c) glowing gas (d) ice

Answer: (c) glowing gas

Q4. Seasons change mainly because of the Earth's:

(a) rotation only (b) tilt and orbit around the sun (c) distance from stars (d) shape

Answer: (b) tilt and orbit around the sun

Q5. Dark, heavy clouds usually indicate:

(a) a clear sunny day (b) possible rain (c) night time (d) a full moon

Answer: (b) possible rain

Short Answer Questions

Q6. Why does the moon appear to change shape through the month?

Answer: Because different portions of its sunlit side are visible from Earth as it orbits, creating the different phases (new moon, crescent, half, full moon).

Q7. Why do stars look like tiny points of light?

Answer: Because they are extremely far away from Earth, even though many of them are actually much larger than the sun.

Q8. What is the difference between the cause of day-night and the cause of seasons?

Answer: Day-night is caused by the Earth's rotation on its own axis, while seasons are caused by the Earth's tilt combined with its yearly orbit around the sun.

Q9. Why is the sun essential for life on Earth?

Answer: It provides the light and heat needed for plants to grow, for weather patterns, and for maintaining temperatures suitable for living things.

Q10. Why can we usually not see stars during the daytime?

Answer: Because the sun's much brighter light outshines the faint light of distant stars during the day.

Long Answer Questions

Q11. Explain, step by step, why we experience day and night.

Answer: The Earth spins on its own axis, completing one full rotation roughly every 24 hours. At any moment, the half of the Earth facing the sun receives sunlight and experiences day, while the half facing away is in darkness and experiences night. As the Earth continues to rotate, different regions move between facing and facing away from the sun, creating the ongoing day-night cycle.

Q12. Describe the phases of the moon and why they occur.

Answer: The moon does not produce its own light; it reflects sunlight. As it orbits the Earth over about a month, the amount of its sunlit side visible from Earth changes gradually — starting from a new moon (not visible), growing through crescent and half-moon stages to a full moon (fully visible), and then shrinking back down again. This regular cycle repeats roughly every month.

How to Use These Extra Questions

Observe the real sky — sun position, moon shape, and stars at night — alongside these questions to connect the concepts to direct experience. For the full walkthrough, see the [Solutions](#) and [Revision Notes](#).

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