

Earth and the Sky

Science · Class 2 · Topic-wise Practice Worksheet

TIME 35 minutes	QUESTIONS 15	TOTAL MARKS 18	MAX. SCORE ___ / 18
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Name: _____ Class/Sec: _____ Date: _____

INSTRUCTIONS

- There are **15 questions**. Answer all of them.
- Each question has four choices — (A), (B), (C) and (D). Only **one** is correct.
- Questions 1–12 carry **1 mark** each. Questions 13–15 carry **2 marks** each.
- There is no negative marking. Look at every picture and table carefully.

Section A — Day and Night

Q1–Q8 · 1 mark each

- The sun gives us _____.
 (A) Light and heat (B) Rain
 (C) Wind only (D) Soil
- The sun rises in the _____.
 (A) North (B) East
 (C) South (D) West
- We see the moon and the stars during the _____.
 (A) Day (B) Morning
 (C) Night (D) Afternoon
- The sun is a _____.
 (A) Star (B) Planet
 (C) Moon (D) Cloud
- The earth we live on is shaped like a _____.
 (A) Flat plate (B) Ball
 (C) Box (D) Triangle
- Most of the earth's surface is covered with _____.
 (A) Land (B) Sand
 (C) Water (D) Ice
- The moon goes round the _____.
 (A) Sun (B) Clouds
 (C) Stars (D) Earth

8. Which of these gives light of its **own**?

(A) Sun

(B) Moon

(C) Earth

(D) Cloud

Section B — Land, Water and Sky

Q9–Q12 · 1 mark each

9. Why do we have day and night?

(A) Because the sun switches off at night

(B) Because the earth spins, so only the half facing the sun has day

(C) Because clouds cover the sun

(D) Because the moon hides the sun every night

10. In the table below, which row is **wrongly** matched?

Row	Land form	What it is
(A)	Mountain	Very high land
(B)	Plain	Flat, level land
(C)	Island	Land with water all around it
(D)	Desert	Land with very heavy rain

Table 10.1

(A) Row (A)

(B) Row (B)

(C) Row (C)

(D) Row (D)

11. Which of these is **not** found in the sky?

(A) Stars

(B) Clouds

(C) A river

(D) The moon

12. Our shadow is longest in the _____.

(A) Rainy season

(B) Middle of the day

(C) Middle of the night

(D) Early morning and evening

Achievers Section

Q13–Q15 · 2 marks each

13. When it is day time in India, it is night time on the other side of the earth. Why?

(A) Because the earth is round and only the half facing the sun gets light

(B) Because the sun moves away

(C) Because the other side has more clouds

(D) Because the moon blocks the sun there

14. Why does the moon seem to change its shape during the month?

(A) Because the moon really breaks into pieces

(B) Because we see different amounts of its sunlit half from the earth

(C) Because clouds cover part of it

(D) Because the moon moves away from us

- 15.** A child stands in the playground at 8 in the morning and again at noon. What happens to her shadow?
- (A) It stays exactly the same
 - (B) It becomes longer by noon
 - (C) It becomes shorter by noon
 - (D) It disappears in the morning

Answer Key

1	A	2	B	3	C	4	A	5	B
6	C	7	D	8	A	9	B	10	D
11	C	12	D	13	A	14	B	15	C

Solutions

1. Answer: (A) Light and heat

The sun gives us **light and heat**. Without it there would be no day, no warmth and no plants.

2. Answer: (B) East

The sun always rises in the **east** and sets in the west.

3. Answer: (C) Night

The moon and stars are seen at **night**. They are there in the day too, but the bright sunlight hides them.

4. Answer: (A) Star

The sun is a **star** — a huge ball of burning gas. It looks much bigger than other stars only because it is far closer to us.

5. Answer: (B) Ball

The earth is round like a **ball**. Photographs taken from space show this clearly.

6. Answer: (C) Water

About three-quarters of the earth is covered with **water** — the seas and oceans. This is why the earth looks blue from space.

7. Answer: (D) Earth

The moon travels round the **earth**. It is the earth's only natural satellite.

8. Answer: (A) Sun

The **sun** makes its own light because it is a star. The moon has no light of its own — it only shines back the sunlight falling on it.

9. Answer: (B) Because the earth spins, so only the half facing the sun has day

The earth keeps spinning like a top. Sunlight can fall on only one half of it at a time, so **only the half facing the sun has day** while the other half has night. One full spin takes 24 hours.

10. Answer: (D) Row (D)

A desert is a dry, sandy place with **very little** rain, not heavy rain. The other three rows are matched correctly.

11. Answer: (C) A river

A **river** flows on the land. Stars, clouds and the moon are all seen in the sky.

12. Answer: (D) Early morning and evening

In the **early morning and evening** the sun is low in the sky, so its light comes in from the side and makes long shadows. At noon the sun is overhead and shadows are shortest.

13. Answer: (A) Because the earth is round and only the half facing the sun gets light

Since the earth is a ball, sunlight reaches only the half turned towards the sun. So while that half has day, **the half turned away has night**. As the earth spins, the two halves swap over.

14. Answer: (B) Because we see different amounts of its sunlit half from the earth

Half of the moon is always lit by the sun. As the moon travels round the earth, **we see different amounts of its sunlit half**, so it seems to grow from a thin crescent to a full moon and back again.

15. Answer: (C) It becomes shorter by noon

At 8 in the morning the sun is still low, so the shadow is long. By noon the sun is almost overhead, so the light comes down from above and the shadow **becomes shorter**.