

	INDIAN SCHOOL AL WADI AL KABIR		
CLASS: VIII	DEPARTMENT: SCIENCE 2026 - 2027		DATE: 08/10/2026
TEXTBOOK- Q &A	TOPIC: KEEPING TIME WITH THE SKIES		NOTE: A4 FILE FORMAT
NAME OF THE STUDENT:	CLASS & SEC:		ROLL NO.

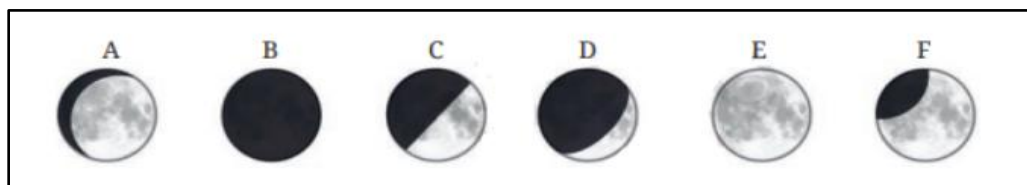
1. State whether the following statements are True or False.

- (i) We can only see that part of the Moon which reflects sunlight towards us.
- (ii) The shadow of Earth blocks sunlight from reaching the Moon, causing phases.
- (iii) Calendars are based on various astronomical cycles which repeat in a predictable manner.
- (iv) The Moon can only be seen at night.

[Answer:

- (i) We can only see that part of the Moon which reflects sunlight towards us. True**
- (ii) The shadow of Earth blocks sunlight from reaching the Moon, causing phases. False**
- (iii) Calendars are based on various astronomical cycles, which repeat in a predictable manner. True**
- (iv) The Moon can only be seen at night. False]**

2. Look at the pictures of the moon in fig.11.11 and answer the following questions.



(i) Write the correct panel number corresponding to the phases of the Moon shown in the pictures above.

Picture label (e.g. a, b, c, etc.)	Phase of moon
	Three days after New Moon
	Full Moon

	Three days after the Full Moon
	A week after the Full Moon
	Day of New Moon

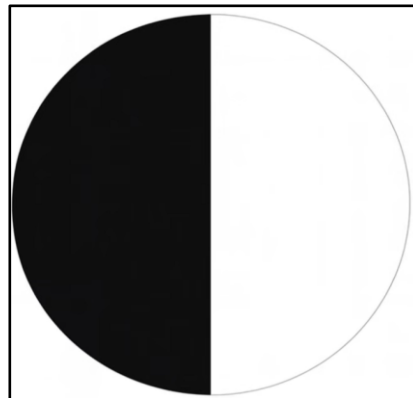
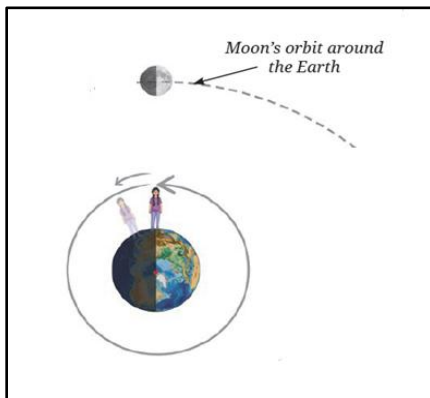
Answer:

Picture label (e.g. a, b, c, etc.)	Phase of moon
D	Three days after New Moon
E	Full Moon
A	Three days after the Full Moon
C	A week after the Full Moon
B	Day of New Moon

3. Malini saw the Moon overhead in the sky at sunset.

- (i) Draw the phase of the Moon that Malini saw.
(ii) Is the Moon in the waxing or the waning phase?

Answer: (i)



(ii) It is in the waxing phase

4. Ravi said, "I saw a crescent Moon, and it was rising in the East when the Sun was setting."
Kaushalya said, "Once I saw the gibbous Moon during the afternoon in the East." Who out of the two is telling the truth?

Answer: Kaushalya is telling the truth; a gibbous moon can be seen in the afternoon.

Ravi's statement is wrong because a crescent Moon rises before sunrise, not when the sun is setting. The crescent moon does not rise in the east at sunset. A waxing crescent is visible after sunset in the western sky, not rising in the east. Waning crescent rises just before sunrise, not at sunset.

5. On a particular night, Vaishali saw the Moon in the sky from sunset to sunrise. What phase of the Moon would she have noticed?

Answer:

If Vaishali saw the Moon in the sky from sunset to sunrise, it was a full moon because the full moon rises at sunset and sets at sunrise.

6. What is the purpose of launching artificial satellites?

Answer:

Artificial satellites help us in many ways, like communication, navigation, weather monitoring, disaster management, and scientific research. The Indian Space Research Organisation (ISRO) has launched many satellites that support these activities.

7. On which periodic phenomenon are the following measures of time based: (i) day, (ii) month, (iii) year?

Answer:

(i) day -Rotation of Earth on its own axis

(ii) month -Revolution of the Moon around the Earth(phases)

(iii) Year-Revolution of Earth around the Sun

<i>Prepared by:</i> <i>Mr Vikrant Purandare</i>	<i>Checked by:</i> <i>HOD Science</i>
--	--