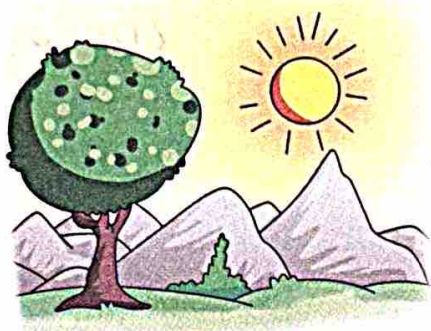




# Sun, Moon and Stars

We see the sun, the moon and the stars in the sky.



**Day Sky**

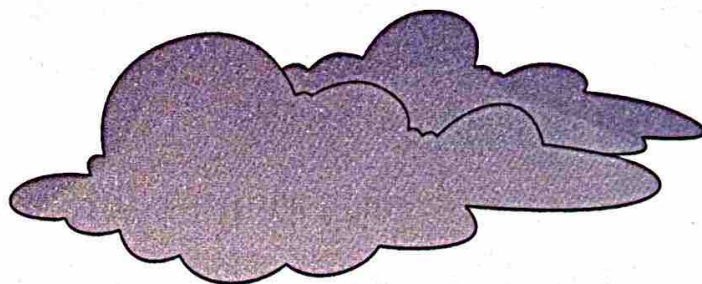
We see the sun shining in the sky during the day.

During the rainy season, the dark clouds are seen in the sky. These dark clouds bring the rain.

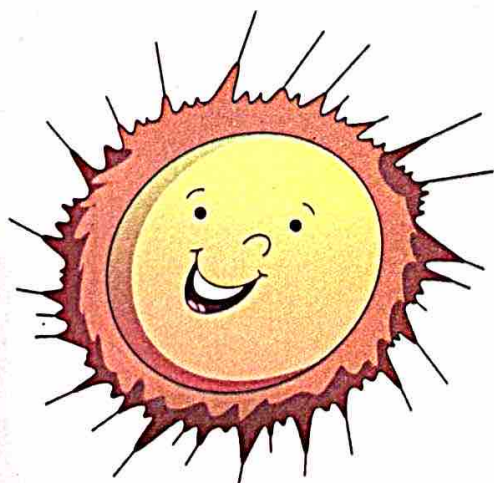


**Night Sky**

We see the moon and the stars in the night sky.



**Dark clouds**



**The Sun**

## The Sun

The sun is a big ball of fire. It gives us heat and light. Plants use sunlight to prepare food. The sun rises in the east and sets in the west.

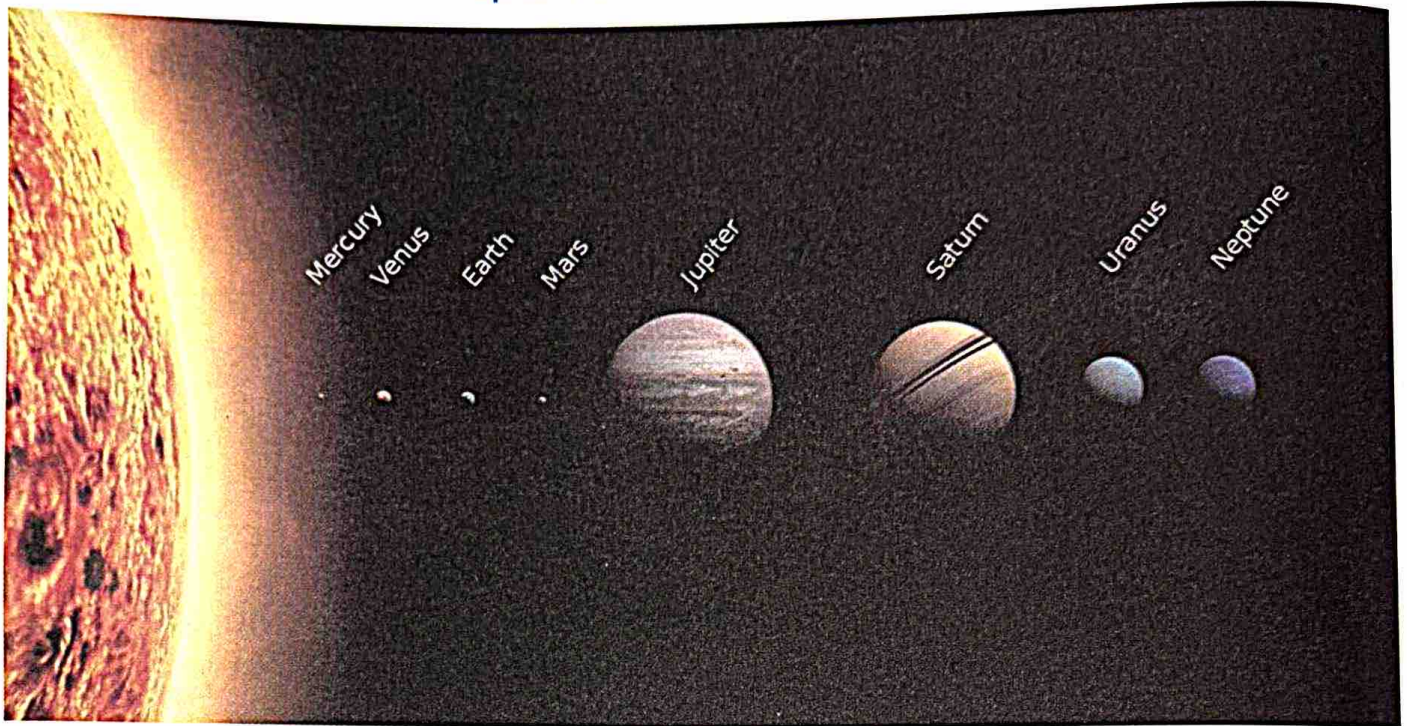
The sun is surrounded by eight planets. These planets go around the sun in their fixed paths called **orbits**.

## Teacher's Tip

Ask the children to talk about different activities that they do during the day and at night.



These eight planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.



The sun, its eight planets and their moons together form the solar system.

Earth is the only planet which supports life. Planets do not have light of their own. They reflect the sunlight falling on them.

#### Planetary facts

Smallest Planet – Mercury

Planet with rings – Saturn

Coldest Planet – Neptune

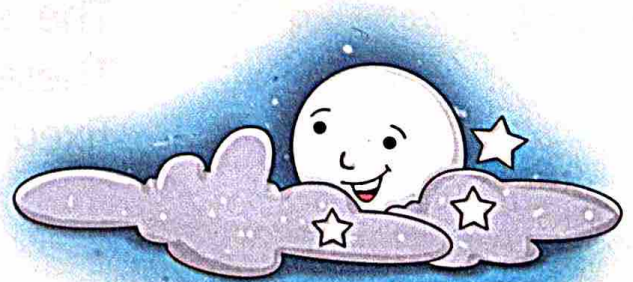
Biggest Planet – Jupiter

Red Planet – Mars

Hottest Planet – Mercury

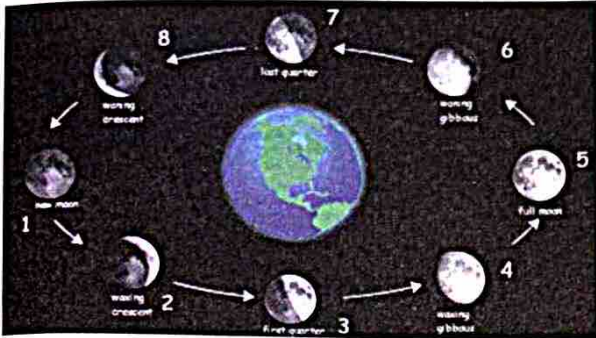
#### The Moon

We can see the moon shining in the night sky. It is the natural satellite of our planet Earth.



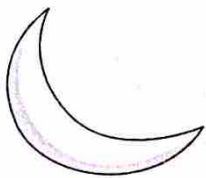


**Satellite** is an object that goes around a planet. The moon goes around the Earth. It takes about 28 days to complete one revolution around the earth.



The moon is the Earth's closest neighbour. It does not have light of its own. It shines because of the sunlight falling on it.

Life is not possible on the moon because there is no air and water. The moon seems to change its shape every night.



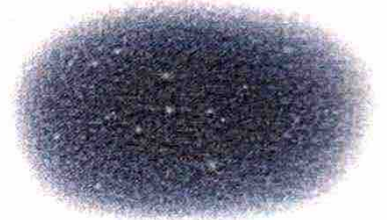
Crescent Moon



Half Moon



Full Moon



No Moon

## The Stars

We can see many stars twinkling in the night sky. They are very big in size but look small as they are very far from us. They have their own light.

### Did You Know ?

The Sun is also a star.

### Did You Know ?

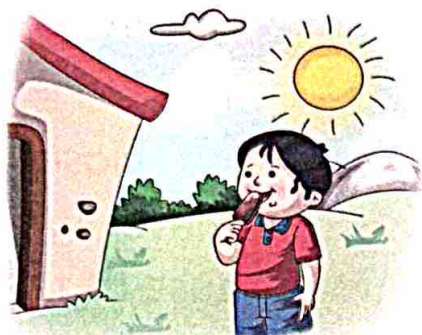
Stars form different patterns in the sky. These are called constellations.





## Seasons and Sky

There are three main seasons:



### Summer Season

During summer season, the day sky is clear. The sun shines brightly. The night sky is also clear. The moon and the stars are clearly visible.

### Winter Season

During winter season, the day sky is covered with fog. The sun looks dull. At night, the sky is clear and the moon and the stars shine brightly.

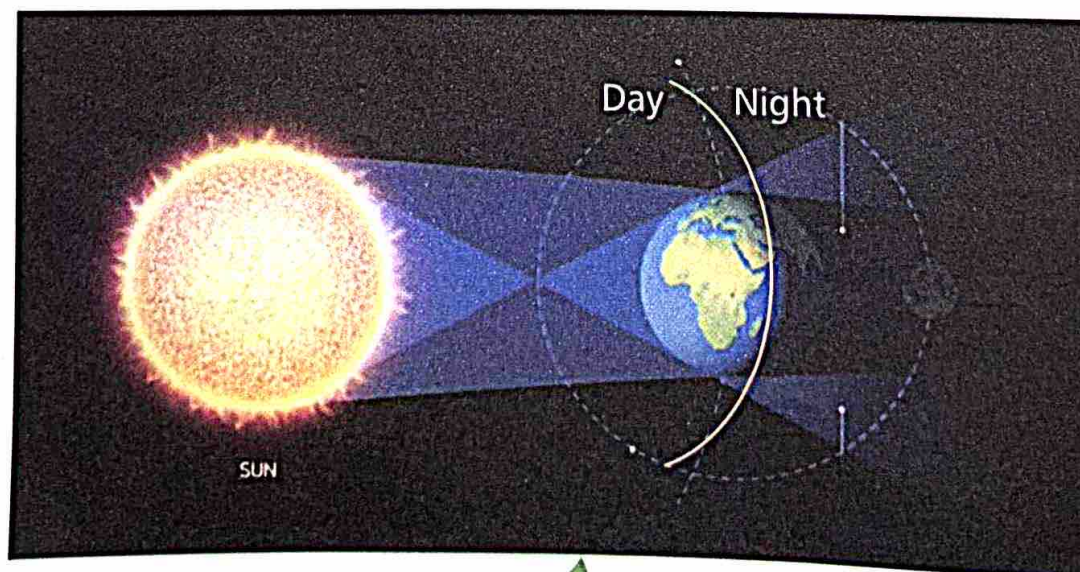


### Rainy Season

During rainy season, the sky is covered with dark clouds. It looks grey. The sun is not seen as it gets hidden behind the clouds. At night, the sky looks hazy. The moon and the stars are not clearly visible.



## Days and Nights





Days and nights are formed because of the rotation of the Earth on its own axis. As the Earth spins on its axis, half of it faces the sun and has day. Whereas the other half that is away from the sun has night. The Earth takes 24 hours to complete one rotation. That is why we have one complete day and night of 24 hours.

### Let's Recall

- \* We see the sun, the moon and the stars in the sky.
- \* The sun is a big ball of fire that gives us heat and light.
- \* The sun, the eight planets and their moons together form our solar system.
- \* Moon is the natural satellite of the Earth.
- \* Days and nights are caused due to rotation of the Earth on its axis.

### Let's Answer

#### A. Answer the following questions:

1. Describe the sun.

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2. Describe the moon.

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3. How does the sky look during the rainy season?

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4. What is a satellite?

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5. How are days and nights caused?

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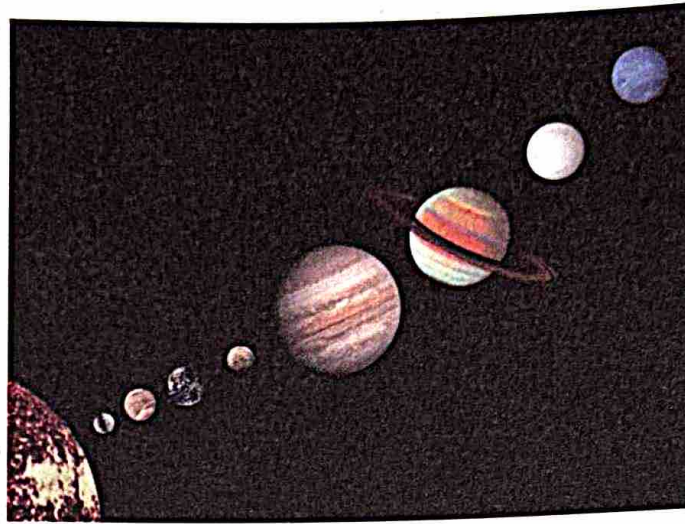
**B. Name the eight planets:**

Mercury

Venus

Earth

Mars



Jupiter

Saturn

Uranus

Neptune

**C. Fill in the blanks:**

1. The dark clouds bring the rain.
2. The planets go around the sun in their fixed paths called orbits.
3. Planets do not have light of their own.
4. The moon is the natural satellite of the Earth.
5. The stars are very big in size.
6. Days and nights are caused due to rotation of the Earth.

**Let's Do**

Write a poem on 'The Sky' here.

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Tender Heart High School

Class - II

Date : 13.01.25

Subject - Environmental Studies

Teachers - Ms. Harjit Kaur, Ms. Gysti Arora, Ms. Rupinder Kaur

## Lesson - 17, Sun, Moon and Stars

### I Fill in the blanks:

1. The dark clouds bring the rain.
2. The planets go around the sun in their fixed paths called orbits.
3. Planets do not have light of their own.
4. The Moon is the natural satellite of the earth.
5. The stars are very big in size.
6. Days and nights are caused due to rotation of the earth.

### II Write true or false:

1. The sun rises in the west. false
2. There are eight planets in our solar system. true
3. Stars have their own light. true
4. Life is possible on the moon. false
5. The sun shines brightly in summer season. true

### III Match the following:

- |                      |               |
|----------------------|---------------|
| 1. Planet with rings | dark clouds ④ |
| 2. Night             | mercury ⑤     |
| 3. coldest planet    | Saturn ①      |
| 4. rain              | moon ②        |
| 5. smallest planet   | neptune ③     |