

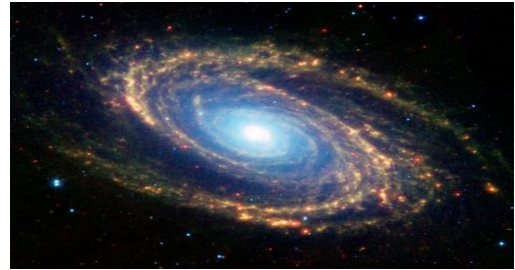
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## **The Galaxy:**

The sun and the planets are parts of the solar system. The solar system is part of a large group called galaxy.

A huge group of stars and systems is called galaxy.

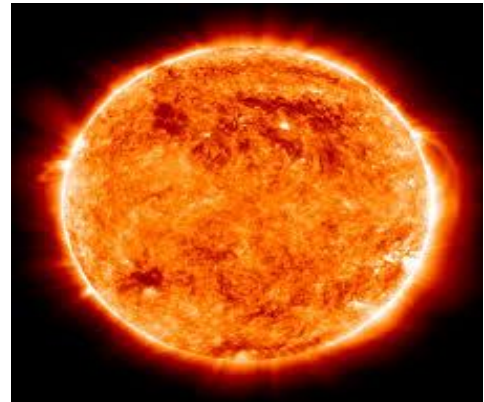


## **Stars:**

A star is a huge ball of burning gases that gives off light, heat and other energy.

Example: Sun.

There are numerous stars in the sky. Other stars look much smaller than the sun because they are farther away.



## **Different between stars and planets:**

Star	Planet
<ul style="list-style-type: none"><li>The stars create its own energy; we see this energy radiating as light. Example: The sun.</li></ul>	<ul style="list-style-type: none"><li>The planets only reflect the light created by the sun. Example: The Earth.</li></ul>
<ul style="list-style-type: none"><li>The surface temperature of stars is very hot than any planet.</li></ul>	<ul style="list-style-type: none"><li>The planets are much cooler than stars.</li></ul>

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**Constellation:**

A pattern of stars with shapes like an animal, person, or object is called constellation.

Example: Orion.



**Milky Way Galaxy:**

The galaxy of which the sun and the solar system are a part and which contain uncountable stars that create the light of the Milky Way. The stars and the planets that we can see at night are in the milky way galaxy. It is spiral-shaped.



**Size of the Universe:**

No one knows for sure how big the universe is. There are billions of galaxies in the universe. Scientists believe that the universe is expanding with the time.

## Exercises:

### 1. Write True/False. If false, write the correct answer.

- a) The Earth is bigger than the star.
- b) A star is huge ball of rock materials.
- c) The sun and the planets are the part of the solar system.
- d) There are billions of galaxies in the universe.
- e) Orion is a kind of a star.

### 2. Write the correct answers:

- a) Which of the following is constellation?
  - I. Sun
  - II. Mercury
  - III. Moon
  - IV. Orion
- b) How many galaxies are there in the universe?
  - I. Thousand
  - II. Millions
  - III. Billions
  - IV. Trillions
- c) Which one is a star?
  - I. Mars
  - II. Sun
  - III. Orion
  - IV. Saturn

### 3. Fill in the blanks:

- a) There are \_\_\_\_\_ stars in the sky.
- b) Other stars look much smaller than the sun because they are \_\_\_\_\_ away.
- c) A pattern of stars with shapes like an animal, person, or object is called a \_\_\_\_\_.
- d) The solar system is part of a large group called a \_\_\_\_\_.
- e) Milky way galaxy is \_\_\_\_\_.
- f) No one knows for sure how big the \_\_\_\_\_ is.
- g) Scientists believe that the universe is \_\_\_\_\_ with the time.

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**4. Write the answer of the following questions in short:**

- a) What is star?
- b) What is galaxy?
- c) Define constellation.
- d) Write two differences between stars and planets.
- e) What do you understand by Milky Way Galaxy?

**5. Match the words on the left with the words on the right:**

a) The Earth	i. Galaxy
b) The Sun	ii. Constellation
c) Milky Way	iii. Star
d) The Moon	iv. Planet
e) Orion	v. Satellite