

## The Earth in the Solar System

Fill in the blanks:-

1. Some celestial bodies are big and hot and have \_\_\_\_\_, which they emit in large amounts.
2. Saptarishi is part of the \_\_\_\_\_ constellation.
3. \_\_\_\_\_ always stays in the same position in the sky.
4. The word planet comes from the Greek word \_\_\_\_\_ which means \_\_\_\_\_.
5. \_\_\_\_\_ is our nearest star.
6. Moon is a \_\_\_\_\_.
7. \_\_\_\_\_ provides the pulling force that binds the solar system.
8. The sun is \_\_\_\_\_ away from earth.
9. \_\_\_\_\_ is called as Earth's twin planet.
10. Pluto is not a planet but a \_\_\_\_\_.
11. \_\_\_\_\_ study the celestial bodies and their movements.
12. \_\_\_\_\_ is carried by a rocket and placed in the orbit around the earth.

Define the following:-

1. Full moon- \_\_\_\_\_  
\_\_\_\_\_
2. Celestial bodies- \_\_\_\_\_  
\_\_\_\_\_
3. Stars- \_\_\_\_\_  
\_\_\_\_\_
4. New moon- \_\_\_\_\_
5. Constellations- \_\_\_\_\_  
\_\_\_\_\_
6. Pole star- \_\_\_\_\_  
\_\_\_\_\_
7. Planets- \_\_\_\_\_  
\_\_\_\_\_
8. Solar system- \_\_\_\_\_  
\_\_\_\_\_
9. Saptarishi- \_\_\_\_\_  
\_\_\_\_\_

10. Moon- \_\_\_\_\_  
\_\_\_\_\_
11. Orbits- \_\_\_\_\_  
\_\_\_\_\_
12. Geoid- \_\_\_\_\_  
\_\_\_\_\_
13. Satellite- \_\_\_\_\_  
\_\_\_\_\_
14. Man-made satellite- \_\_\_\_\_  
\_\_\_\_\_
15. Asteroids- \_\_\_\_\_  
\_\_\_\_\_
16. Meteoroids- \_\_\_\_\_  
\_\_\_\_\_
17. Galaxy- \_\_\_\_\_  
\_\_\_\_\_
18. Universe- \_\_\_\_\_  
\_\_\_\_\_

Write True/ False. Correct the incorrect statement

1) All eight planets do not move around the sun in fixed path.

\_\_\_\_\_

2) It takes mercury 90 days to complete one round around its orbit.

\_\_\_\_\_

3) Earth is a third largest planet in the Solar System.

\_\_\_\_\_

4) The diameter of moon is one quarter of the earth.

\_\_\_\_\_

5) Asteroids are found between the orbits of Earth and Neptune.

\_\_\_\_\_

6) Meteoroids always fall on earth with a flash of light.

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7) Our solar system is a part of the Andromeda galaxy.

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8) The light of the sun takes about 5 minutes to reach the surface of the earth.

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9) More than one-third surface of the earth is covered with water.

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10) In ancient India, the white glowing path across the sky was imagined to be a river of lights and was thus named as Amavasya.

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Write short answers:-

1) Why we see full moon only once in a month's time?

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2) Why only one side of the moon is visible to us on the earth?

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3) Name a few Indian Man-made satellites.

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4) Why we can't see the moon and all other bright objects in the sky during the day time?

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5) Why we don't feel the heat or light of the stars?

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6) Why there is life on earth?

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7) What is Saptarishi?

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8) What casts shadows on the surface of the moon?

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9) In ancient times, how people used to determine the directions?

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10) Why is earth called a blue planet?

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11) Why moon appears so big?

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12) Why meteoroids fall on earth with a flash of light?

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13) Name some of the dwarf planets.

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14) How can we locate the position of the Pole Star with the help of Saptarishi?

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15) Why is Venus called as Earth's twin?

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- 16) Differentiate between the following with at least 2 points and an example.
- a. Planets and stars
  - b. Stars and satellites
  - c. Natural satellites and man-made satellites