

Science Assignment

Class – IV

Chapter – 13

The Solar system

- 1. What is the solar system?**
The Sun, the eight planets, their moons, and the dwarf planets forms the solar system.
- 2. What is at the centre of our solar system?**
The sun is at the centre of our solar system.
- 3. Which planet is called as red planet and why?**
Mars is called as red planet because the soil and rocks on this planet are red.
- 4. Name the largest planet in the solar system.**
Jupiter is the largest planet in the solar system.
- 5. Why do we see a stripped pattern on Jupiter?**
Jupiter spins very fast, pulling the clouds surrounding it to form stripped pattern. That's why we see a stripped pattern on Jupiter.
- 6. Which planet is known as planet with rings.**
Saturn is known as the planet with rings because it appears to have several rings around its middle.
- 7. Which is the farthest planet to the sun?**
Uranus and Neptune are the farthest planet to the Sun.
- 8. Which is the closest planet to the sun?**
Mercury is the closest planet to the Sun.
- 9. What is the expanded form of IAU?**
International Astronomical Union.
- 10. What are orbits?**
The eight planets and the dwarf planets move around the sun in their fixed path called orbits.
- 11. Why there is no life on the moon?**
There is no life on the moon because moon does not have an atmosphere.
There is no air and water on moon.
- 12. How are seasons caused?**
The revolution of earth around the sun causes season.
- 13. Why does the moon shine?**
The moon shines because it reflects the sunlight that falls on its surface.
- 14. What are constellations?**
A group of stars that seems to form a specific pattern is called constellation.
For ex. Ursa Major and Orion.
- 15. How much time does the earth take to rotate on its axis?**
The earth takes about 24 hours to complete one rotation on its axis.

16. What does the revolution of earth cause?

Revolution of earth causes change in seasons.

17. What does rotation of the earth cause?

Rotation of the earth causes day and night.

18. What would happen if the earth was not tilted on its axis?

If the earth was not tilted on its axis, there would be no season.

19. Which imaginary line around the earth divides the earth into two equal halves?

Equator divides the earth into two equal halves, the northern and the southern hemispheres.

20. Explain the two imaginary lines around the earth.

The two imaginary lines around the earth are:-

a. Axis:- Earth's axis is an imaginary line running through the centre of the earth from the north pole to the south pole.

b. Equator:- Earth's equator is an imaginary line which divide the earth into two equal halves , the northern and southern hemisphere.

21. When it is winter in India, Australia has summer, Why?

When it is winter in India, Australia has summer because Australia is in southern hemisphere and India is in northern hemisphere.

22. How many seasons are there in India? Explain through diagram.

In India we have four seasons – Summer, monsoon, autumn and winter.

Diagram on Pg – 138.

Assignment Science

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Chapter – 14

Keeping Our Earth Green

1. **What is afforestation?**
Planting trees in large numbers is called afforestation.
2. **What is World Environment Day?**
A day which is meant to talk about ways to save the environment is called the World Environment Day.
3. **Why do we cut down trees?**
We cut down trees for making various things such as furniture, paper and houses.
4. **What is the full form of UN?**
United Nations
5. **How do trees prevent soil erosion?**
Roots of the trees hold the soil which prevents soil erosion.
6. **How do animals help in scattering seeds?**
Animals such as Squirrels, monkeys and birds eat the seeds which are later removed through their faeces. Sometimes they throw away the seeds to far off places. In this way animals help in scattering seeds.
7. **Which animals are part of wild life?**
Animals that live in the wild forests are a part of wild life.
8. **How are trees important to us?**
Trees are important to us in many ways-
 1. Trees release oxygen, needed by all living beings.
 2. Trees release water vapour in the atmosphere which helps in rain.
 3. The roots of the trees hold the soil which prevents soil erosion.
9. **Wild animals are in great danger of becoming extinct. Why?**
Wild animals are in great danger of becoming extinct due to human activities such as mining, destruction of forests and hunting and killing of animals.
10. **What should we do to discourage the hunting of wild animals?**
We should avoid using the things made from animal parts, such as fur, skin (leather) to discourage the hunting of animals.
11. **Why do we celebrate Van Mahotsav?**
We celebrate Van Mahotsav in the month of July every year to plant lakhs of trees during these seven days.