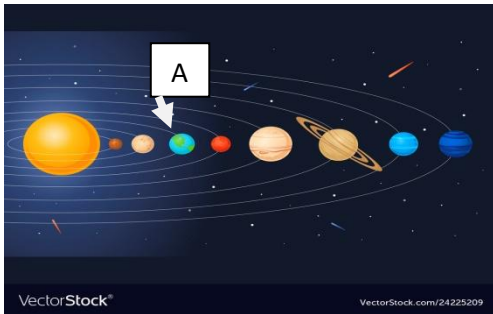


Creative Question:

Chapter-3:

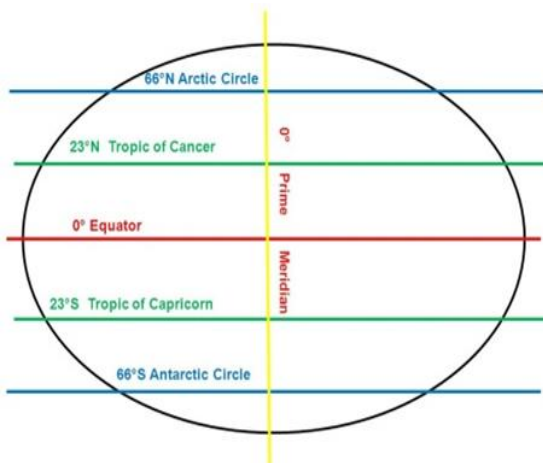
1.



Solar System

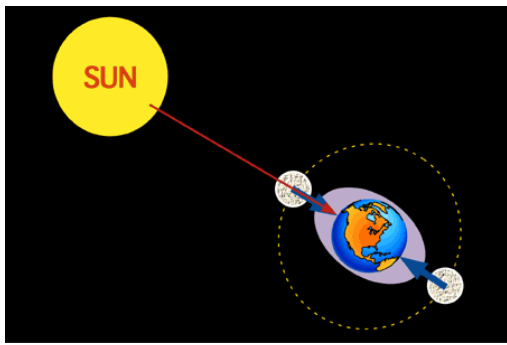
- What is called sunspot?
- Explain the centrifugal force.
- Describe the characteristics of planet “A” marked in the above picture.
- Marked planet is the only planet of the solar system where the human and animals can live comfortably. Analyze.

2.



- What is the cause of occurring day and night?
- Explain standard time.
- If it is 10 a.m. in the above prime meridian then what is the time in $35^{\circ}22'$ east longitude.
- Do you think the same temperature will prevail in both above indicated sides of the equator in the 3rd week of December? Give your logic according to your answer.

3.



- What is diurnal motion?
- 'The sun is the nucleus of the solar system'. Explain.
- Identify the reasons behind the process indicated in above picture.
- Analyze the impact of the process indicated in above picture on the earth.

4. Mr. and Mrs. Taufiq were travelling to the US from Australia by air. During the flight journey Mr. Taufiq had change the time in his watch. Mrs. Taufiq asked him about it and he told her the time needs to be changed to the local time whenever anybody crosses an imaginary line. The local time is determined by ascertaining the duration of midday.

- What is an antipode?
- Explain the results of diurnal motion.
- About which imaginary line has discussed in the stem? Explain.
- Describe other similar imaginary lines that are required to determine time.

Short Question:

Chapter-3:

- The sun revolves on its own axis once in about how many days?
- What is the only large satellite of a terrestrial planet in the solar system?
- Who is the largest planet of the solar system?
- Which is the lowest level of the atmosphere?
- Why the layer "core" is called Nife?
- CaptainJordge is going to Japan from Mexico by a ship through Pacific Ocean. What will he do to get actual time after crossing the International Dateline?

7. What do you mean by solar day?
8. What is the cause of waning and waxing day and night?
9. Write the name of four categories of the ebb and flow?
10. What is the temperature of sun's surface?
11. How many satellites the planet Saturn has?
12. What is the average distance of the earth from the Sun?
13. Which region of interior structure of earth is called Basalt region?
14. What is called Latitude?
15. In which region the Equator and prime meridian intersect each other?
16. By which watch the exact time of Greenwich can be known?
17. How can we determine the local time of any region?
18. What is the standard time of Bangladesh?
19. If the time of Bangladesh is 8 a.m., at that time what will be the time of its 15⁰ western country's?
20. Where is the antipode of Dhaka situated?
21. On which date the sunlight falls lengthways towards the tropic of Capricorn?
22. When does earth's perihelion occur?
23. What is the interval between ebb and flow?
24. The local time is decided through which imaginary line?
25. Why does acid-storm fall in the planet Venus?
26. What is an antipode?
27. What is the gravitational force?
28. Explain the "Leap year".
29. What is called Neap tide?
30. Why does Ozone level possess excessive temperature?
31. The summer solstice means ____?