Chapter-3

Worksheet-2

Choose the correct option:

1. Give the reason for Day and Night on Earth.
(a) rotation
(b) revolution
(c) both (a) and (b)
(d) none of above

2. Give the reason for Day and Night on Earth.
(a) rotation
(b) revolution
(c) both (a) and (b)
(d) none of above

3. A leap year has _____ number of days.
(a) 360
(b) 364
(c) 365
(d) 366

4. Days are shorter during _____ season.
(a) summer
(b) winter
(c) rainy
(d) spring

5. The earth travels around the sun in _____.
(a) elliptical
(b) circular
(c) round
(d) none of above

6. The axis of the earth is a/an _____.
(a) imaginary line
(b) straight line
(c) curved line
(d) real line

7. The earth completes one revolution in ……………
(a) 366 days

(b) 370 days
(c) 365 1/4 days
(d) 366 1/4 days

8. Choose which of the following statement is true?
(a) The axis of the earth makes an angle of 23V& with its orbital plane.
(b) Every five years, February is of 29 days instead of 28 days.
(c) Season changes due to the change in the position of the earth around the sun.
(d) When there is summer in the Northern Hemisphere, it is spring in the Southern Hemisphere.

9. The circle that divides the day from night on the globe is known as
(a) circle of illumination
(b) circle of illumination
(c) both (a) and (b)
(d) none of above

10. Which motion of the earth is associated with the changes in season?
(a) Rotation
(b) Revolution
(c) Resolution
(d) All of the above

Answer the following Questions.

1. What is earth day?

2. What is a leap year?

3. What would happen if the earth did not rotate?

4. Define rotation and revolution.

5. Differentiate between the Summer and Winter Solstice.

6. Which motion of the earth causes changes in the seasons?

7. Give a reason why the days and nights are not of equal length.

8. Mention the time it takes for the earth to complete one rotation around its axis.

9. Explain Equinox with a diagram.

10. Why do we ignore 6 hours of the earth's rotation around the sun?