

## Chapter-3

### Worksheet-1

**Choose the correct option:**

**1.** The movement of the earth around the sun is known as

- a. Rotation
- b. Revolution
- c. Inclination
- d. None of these

**2.** Direct rays of the sun fall on the equator on

- a. 21 March
- b. 21 June
- c. 22 December
- d. 21 December

**3.** Christmas is celebrated in summer in

- a. Japan
- b. India
- c. Australia
- d. china

**4.** Cycle of the seasons is caused due to

- a. Rotation
- b. Revolution
- c. Gravitation
- d. None of these

5. Earth has \_\_\_\_\_ types of motions.

- a. 3
- b. 1
- c. 5
- d. 2

6. Movement of the earth on its axis is called as \_\_\_\_\_.

- a. Rotation
- b. Resolution
- c. Cycle
- d. Revolution

7. The movement of the earth around the sun in a fixed path or orbit is called \_\_\_\_\_.

- a. Revolution
- b. Rotation
- c. Circular Cycle
- d. Resolution

8. The axis of the earth which is an imaginary line, makes an angle of \_\_\_\_\_ with its orbital plane.

- a. 45 Degree
- b. 66 Degree
- c. 60 Degree
- d. 90 Degree

9. The plane formed by the axis of earth and orbit is known as the \_\_\_\_\_.

- a. Symmetric Plane
- b. Spherical Plane
- c. None of these
- d. Orbital plane

**10.** The earth takes about \_\_\_\_\_ to complete one rotation around its axis.

- a. 65 Days
- b. 1 Month
- c. 48 hours
- d. 24 hours

**Answer the following Questions.**

1. What is an equinox?
2. What is the elliptical orbit?
3. State a reason why seasons occur.
4. What is the angle of inclination of the earth's axis with its orbital plane?
5. Why do the poles experience about six months' day and six months' night?
6. Areas near the pole get less heat. Justify with reason.
7. Define the Circle of Illumination.
8. Why does the Southern Hemisphere experience Winter and Summer Solstice in different times than that of the Northern Hemisphere?
9. How are days and nights formed?
10. What is circle of illumination?