

### Worksheet – 3 Rotation and Revolution

1. True or False: In Winter solstice, it is Summer in the Southern Hemisphere with longer days and shorter nights.

A) true B) false

2. Fill in the Blanks: Christmas is celebrated in Australia in Summer Season due to \_\_\_\_\_ phenomenon.

A) Summer Solstice B) Calendar division C) Winter Solstice D) Equinox

3. True or False: Christmas is celebrated in Australia in Summer Season.

A) true B) false

4. Fill in the Blanks:

The Earth moves around the Sun in an \_\_\_\_\_ orbit.

A) Elliptical B) Elongated C) Longitudinal D) Spherical

5. On 23rd September, it is \_\_\_\_\_ season in the Northern Hemisphere and \_\_\_\_\_ season in the Southern Hemisphere.

A) Spring, Autumn B) Autumn, Spring C) Summer, Winter D) Winter, Summer

6. Fill in the Blanks: The Axis of Earth which is an imaginary line makes an angle of \_\_\_\_\_ degrees with its Orbital Plane.

A) 50 B) 66.5 C) 72.5 D) 89

7. On 21st June, the Northern Hemisphere is tilted \_\_\_\_\_ the Sun.

A) Away B) Towards C) Same as D) Opposite from

8. True or False:

On 21st June, the rays of Sun fall directly on the Tropic of Cancer.

A) true B) false

9. What is Revolution of Earth?

10. Name the days of the Year which experience an Equinox.

11. What is an Orbital Plane?

**12. Explain Summer Solstice.**

**13. What is an Equinox?**

**14. Why do we have days & nights and changes in the Seasons on Earth?**

**15. Explain Winter Solstice.**

**16. Why do seasons change?**

**17. What is Rotation of Earth?**

**18. What are the two types of Motions of Earth?**

**19. What is the reason behind the concept of Day and Night on Earth?**

**20. True or False:**

**The Circle of Earth's Illumination does not coincides with the Axis of Earth's rotation.**

**A) true B) false**