

**SOCIAL STUDIES**

**GRADE: V DATE: 8.7.20**

**3. MOVEMENTS OF THE EARTH**

**I.ANSWER THE FOLLOWING**

**1. What is rotation? How long does the Earth take to rotate on its axis once?**

* The movement of the Earth on its axis is called rotation.
* The Earth takes about 24 hours or one day to rotate once on its axis.

**2. What is revolution? How long does the Earth take to complete one revolution?**

* The movement of the Earth around the Sun is called revolution.
* The Earth takes 365 1/4 days or one year to complete one revolution.

**3. Explain how days and nights are caused?**

The rotation of the Earth causes days and nights.

* Due to its spherical shape, only half of the Earth receives light from the Sun at a particular time, this half has day.
* The other half, which is turned away from the Sun is in darkness and has night.

**4. What is called Orbit?**

 The fixed path along which the Earth revolves around the Sun is called orbit.

 **5. What is the shape of Earth's orbit?**

 The shape of Earth's orbit is oval.

**6. Write the difference between rotation and revolution**.

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| **Rotation** | **Revolution** |
| * **The movement on the Earth on its own axis**
 | * **The movement of the Earth around the Sun .**
 |
| * **It causes days and nights.**
 | * **It causes seasons.**
 |
| * **It takes 24 hours of one day to complete one rotation.**
 | * **It takes 3651/4  days or one year to complete one revolution.**
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8. How do Seasons occur? Explain with a diagram.

 The revolution of the Earth causes seasons.



* Throughout the year, different parts of Earth receive the Sun's most direct rays.
* So, when the North Pole tilts toward the Sun, it's summer in the Northern Hemisphere.
* And when the South Pole tilts toward the Sun, it's winter in the Northern Hemisphere.

**9. Why seasons are important in our life?**

Seasons are a very important element in our lives.

* They have an influence on what we wear, what we eat and what we do in **our** free time.
* . In ancient civilizations people observed that the sun was at different places during different times of the year.

**10**. **In which year do the people of Australia celebrate Christmas? Why?**

 The people of Australia celebrate Christmas in the summer season.

* Australia is in the Southern Hemisphere, and the Southern experiences summer in the month of December

**11. Who first said that the Earth moves around the Sun?**

**12. What is a leap year?**

**Note:**

11 & 12 th are General question, students give your own answers**.**