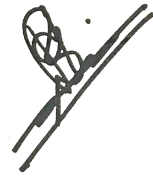


**PHYSICS (GRADE-4)**  
**CH - 17 Lesson 1**



**How does Earth Move?**

Mrs. Ruksana & Mrs. Farhana

**Definition:**

- i. Axis** - An imaginary line that goes through the Earth's Center.
- ii. Rotation** - The spinning of the Earth around its axis.
- iii. Revolution** - The movement of an object around another is called revolution.
- iv. Orbit** - The path that Earth follows as it revolves around the Sun is its orbit.

**Q/A**

**1. Why do the Sun and the stars appear to move from East to West in the Sky?**

**Ans.** The Sun and the stars appear to move from East to west because the Earth rotates around its axis from West to East.

**2. What keeps the Earth revolving around the Sun?**

**Ans.** Gravity keeps the Earth revolving around the Sun.

**3. What causes day and night?**

**Ans.** Day and night are caused due to the rotation of the Earth on its own axis. When a part of Earth faces toward the Sun, it is day time there. When the same part turns away from the Sun, it is night time there.

**4. Why does shadow change its position and size during daytime?**

**Ans.** As the Earth rotates, sunlight falls on an object from different angles. For this shadow changes its position and size.