

## CHAPTER-13 | Our Home: Earth, a Unique Life Sustaining Planet

### QUIZ PART-04

1. Earth behaves like a giant:

- A. Star
- B. Magnet
- C. Satellite
- D. Volcano (B)

**Explanation :** Earth has a magnetic field like a giant magnet.

2. Earth's magnetic field originates from:

- A. Ocean currents
- B. Volcanoes
- C. Molten iron movement in the core
- D. Clouds (C)

**Explanation :** Moving molten iron generates the magnetic field.

3. Cosmic rays are:

- A. Rain clouds
- B. High-energy particles from space
- C. Water vapour
- D. Magnetic waves (B)

**Explanation :** Cosmic rays come from distant parts of the universe.

4. Solar wind comes from:

- A. Moon
- B. Jupiter
- C. Earth's core
- D. Sun (D)

**Explanation :** Solar wind consists of particles emitted by the Sun.

5. Earth's magnetic field protects us by:

- A. Producing oxygen
- B. Increasing gravity
- C. Pushing harmful particles away
- D. Cooling oceans (C)

**Explanation :** It acts as a protective shield against harmful particles.

6. Plants make food by:

- A. Respiration
- B. Condensation
- C. Photosynthesis
- D. Digestion (C)

**Explanation :** Plants use sunlight to prepare food.

7. During photosynthesis, plants release:

- A. Carbon dioxide
- B. Nitrogen
- C. Oxygen
- D. Hydrogen (C)

**Explanation :** Oxygen is released as a by-product.

8. The hydrosphere includes:

- A. Mountains only
- B. All water on Earth
- C. Forests only
- D. Air only (B)

**Explanation :** Hydrosphere refers to all water bodies on Earth.

9. Water helps plants by:

- A. Producing gravity
- B. Transporting nutrients
- C. Blocking sunlight
- D. Creating oxygen directly (B)

**Explanation :** Water carries nutrients from soil to leaves.

10. Without Earth's atmosphere, Earth would become:

- A. Too hot
- B. Too cold
- C. Full of oxygen
- D. Covered in lava (B)

**Explanation :** The atmosphere traps heat and keeps Earth warm.