

CHAPTER-13 | Our Home: Earth, a Unique Life Sustaining Planet**QUIZ
PART-09**

1. Climate change mainly refers to:

- A. Daily weather changes
- B. Long-term changes in climate
- C. Earthquakes
- D. Volcanoes (B)

Explanation: Climate change occurs over many years.

2. Which gas contributes greatly to global warming?

- A. Oxygen
- B. Carbon dioxide
- C. Helium
- D. Neon (B)

Explanation: CO₂ traps heat in the atmosphere.

3. Excess greenhouse effect causes:

- A. Global cooling
- B. Global warming
- C. Snowfall everywhere
- D. Loss of gravity (B)

Explanation: More greenhouse gases increase Earth's temperature.

4. Melting of glaciers leads to:

- A. Lower sea level
- B. Higher sea level
- C. Less rainfall
- D. More oxygen (B)

Explanation: Melted ice increases ocean water levels.

5. Which activity increases global warming?

- A. Planting trees
- B. Recycling
- C. Burning fossil fuels
- D. Saving water (C)

Explanation: Fossil fuels release greenhouse gases.

6. Deforestation affects climate because trees:

- A. Produce plastic
- B. Absorb carbon dioxide
- C. Create gravity
- D. Produce rocks (B)

Explanation: Trees help reduce CO₂ levels.

7. Which layer protects Earth from UV rays?

- A. Crust
- B. Mantle
- C. Ozone layer
- D. Core (C)

Explanation: Ozone absorbs harmful UV radiation.

8. Which natural disaster may increase due to climate change?

- A. Floods
- B. Droughts
- C. Heatwaves
- D. All of these (D)

Explanation: Climate change increases extreme weather events.

9. Which practice helps reduce climate change?

- A. Wasting electricity
- B. Cutting forests
- C. Using renewable energy
- D. Burning plastic (C)

Explanation: Renewable energy reduces pollution.

10. Which fuel causes less pollution?

- A. Coal
- B. Petrol
- C. Solar energy
- D. Diesel (C)

Explanation: Solar energy is clean and renewable.