

**CBSE Test Paper 02**  
**Chapter 14 Natural Resources**

---

1. Life cannot sustain on Mars and Venus because major component in atmosphere is **(1)**
  - a. Carbon dioxide
  - b. Ozone
  - c. Nitrogen
  - d. Oxygen
2. Which of the following processes provide most of the oxygen found the earth's atmosphere? **(1)**
  - a. Fermentation
  - b. Aerobic respiration
  - c. Photosynthesis
  - d. Anaerobic respiration
3. Soil erosion can be prevented by **(1)**
  - a. Good plant cover
  - b. Wind screen alone
  - c. Checking movements of animals
  - d. Restricted human activity
4. Major source of mineral in soil is the **(1)**
  - a. animals
  - b. parent rock from which soil is formed
  - c. plants
  - d. bacteria
5. The gas which is mainly responsible for green house effect is \_\_\_\_ **(1)**
  - a. Nitrogen

- b. Carbon dioxide
- c. Oxygen
- d. Argon

6. What is the direction of air in coastal areas during the night? **(1)**
7. Write three ways to prevent soil pollution. **(1)**
8. From where do we procure table salt? **(1)**
9. What is soil erosion? **(1)**
10. Name an area in India with very poor vegetation. **(1)**
11. Why is life possible on earth? **(3)**
12. List any three human activities that you think would lead to air pollution. **(3)**
13. List any three human activities which would lead to an increase in the carbon dioxide content of air. **(3)**
14. Describe the major factors which lead to water pollution. Give examples. **(5)**
15. Why is replenishment of forests necessary? **(5)**

**CBSE Test Paper 02**  
**Chapter 14 Natural Resources**

---

**Answers**

1. a. Carbon dioxide  
**Explanation:** Carbon dioxide
2. c. Photosynthesis  
**Explanation:** The main driving factor of the oxygen cycle is photosynthesis, which is responsible for the modern Earth's atmosphere and life.
3. a. Good plant cover  
**Explanation:** Soil erosion can be prevented by good plant cover. The root of plant binds the soil and prevents the soil erosion. Soil erosion occurs faster in bare lands with vegetation.
4. b. parent rock from which soil is formed  
**Explanation:** Major source of mineral in the soil is Parent rock from which soil is formed. Soil is the thin layer of material covering the earth's surface and is formed from the weathering of rocks.
5. b. Carbon dioxide  
**Explanation:** Gases such as carbon dioxide, methane, ozone, CFCs. are called green house gases. Carbon dioxide is the most important green house gas.
6. During night the direction of air current or wind is from land to sea.
7. i. By judicious use of fertilizers and pesticides.  
ii. By Proper management of disposal of household waste.  
iii. Intensive cropping, terrace farming should be practiced.
8. From sea water.
9. The loss of (wearing away) of the topmost layer of the soil which contains humus and air is called soil erosion.
10. Parts of Rajasthan like Jaisalmer (hot desert) and Dras (cold desert) are very poor vegetation.

11. Life is possible on earth because of the following reasons:-
- The temperature on earth is suitable for different life forms.
  - The presence of oxygen in air which is required by all living organisms.
  - Presence of water which is essential for all living forms
12.
  - Burning of fossil fuels in industries, vehicles and thermal plants.
  - Processing industries like textiles, asbestos, flour mills.
  - Stone Crushing.
13. Three human activities which would lead to an increase in the carbon dioxide content of air are:
- Burning of fossil fuels like coal and petroleum.
  - Industrialisation.
  - Deforestation. Due to this the utilisation of atmospheric  $CO_2$  during photosynthesis is reduced to a great extent because of the reduction in the number of plants.

14. **Water pollution** is caused due to several reasons. Here are the few major causes of water pollution:

**Sewage And Waste Water:** Sewage, garbage and liquid waste of households, agricultural lands and factories are discharged into lakes and rivers. These wastes contain harmful chemicals and toxins which make the water poisonous for aquatic animals and plants.

**Dumping:** Dumping of solid wastes and litters in water bodies causes huge problems. Litters include glass, plastic, aluminum, styrofoam etc. Different things take different amount of time to degrade in water. They affect aquatic plants and animals.

**Industrial Waste:** Industrial waste contains pollutants like asbestos, lead, mercury and petrochemicals which are extremely harmful to both people and the environment. Industrial waste is discharged into lakes and rivers by using fresh water making the water contaminated.

**Oil Pollution:** Sea water gets polluted due to oil spilled from ships and tankers while traveling. The spilled oil does not dissolve in water and forms a thick sludge polluting the water.

**Acid Rain:** Acid rain is the pollution of water caused by air pollution. When the acidic

particles caused by air pollution in the atmosphere mix with water vapor, it results in acid rain.

**Global Warming:** Due to global warming, there is an increase in water temperature. This increase in temperature results in death of aquatic plants and animals. This also results in bleaching of coral reefs in water.

**Eutrophication:** Eutrophication is an increased level of nutrients in water bodies. This results in bloom of algae in water. It also depletes the oxygen in water, which negatively affects fish and other aquatic animal population.

15. Forests need to be replenished because of the following reasons:

- i. **Rainfall:** During transpiration, trees give out enormous amount of water vapour. This water vapour helps in the formation of rain clouds. So, if trees are cut and not replenished, the rainfall in the area will reduce.
- ii. **Natural rate of tree growth:** Forests cannot be regrown in a few days or months as trees take many years to grow fully. Thus, it becomes necessary to replenish the forests periodically.
- iii. **Soil erosion:** If a large number of trees are cut, the soil becomes naked. The top soil, which is rich in organic matter will be washed away by water or carried away by wind. Trees help in binding the soil.
- iv. **Carbon dioxide-oxygen balance:** Forests have a very large number of trees which give out  $O_2$  and take in  $CO_2$  in the day by photosynthesis. In this way, they help in maintaining the carbon dioxide-oxygen balance in the atmosphere.
- v. **Timber and fuel:** Forests are the best suppliers of timber for furniture and fuel. So, for their constant supply forests need to be replenished.
- vi. They are a source of livelihood to many tribals and also also supplies medicinal, ornamental and other important kinds of vegetation and fruits to both humans and animals
- vii. It is a home to the various fauna which live in harmony with each other.