



GAIL DAV PUBLIC SCHOOL
CLASS 6 – SCIENCE
ASSIGNMENT 2026-27
Chapter 1- Our Environment

Q.NO	Fill in the Blanks
1	The interdependence of living organisms and their environment is known as _____ (ecosystem/biosphere).
2	Plants are able to synthesize their food through the process of _____ (respiration/photosynthesis).
3	The increase in _____ (carbon dioxide/oxygen) in the atmosphere is leading to global warming.
4	The process of recycling organic waste using earthworms is called _____ (vermicomposting/deforestation).
5	The balance of nature is maintained by the _____ (food chain/food web).
6	_____ (Biodegradable/non-biodegradable) waste cannot be broken down by microorganisms.
7	The conservation of water through rainwater harvesting helps to reduce the _____ (pollution/depletion) of groundwater.
Multiple Choice Questions	
1	What is the primary source of energy for most living organisms? a) Sun b) Water c) Soil d) Plants
2	What is the result of deforestation? a) Increase in oxygen levels b) Decrease in carbon dioxide levels c) Loss of biodiversity d) Increase in rainfall
3	Which type of waste is a threat to the environment? a) Biodegradable b) non-biodegradable c) Organic d) Inorganic
4	What is the purpose of vermicomposting? a) To produce pesticides b) To produce fertilizers c) To dispose of nuclear waste d) To recycle organic waste
5	What is the impact of pollution on the environment? a) It helps to maintain ecological balance b) It has no effect on the environment c) It harms living organisms and the ecosystem d) It increases biodiversity

6	Why is rainwater harvesting important?								
	a) To conserve water b) To reduce soil erosion								
	c) To increase pollution d) To decrease groundwater level								
	Match the Following								
	Match the following terms with their definitions:								
	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">1. Biotic</td> <td style="width: 50%;">a) Non-living components</td> </tr> <tr> <td>2. Abiotic</td> <td>b) Living components</td> </tr> <tr> <td>3. Autotrophs their own food</td> <td>c) Organisms that make</td> </tr> <tr> <td>4. Heterotrophs on others for food</td> <td>d) Organisms that depend</td> </tr> </table>	1. Biotic	a) Non-living components	2. Abiotic	b) Living components	3. Autotrophs their own food	c) Organisms that make	4. Heterotrophs on others for food	d) Organisms that depend
1. Biotic	a) Non-living components								
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3. Autotrophs their own food	c) Organisms that make								
4. Heterotrophs on others for food	d) Organisms that depend								
	Reasoning/Assertion								
	<p>a) Both A and R are true, and R is the correct explanation of A.</p> <p>b) Both A and R are true, but R is not the correct explanation of A.</p> <p>c) A is true, but R is false.</p> <p>d) A is false, but R is true.</p>								
1	Assertion: Human activities are responsible for the increase in greenhouse gases in the atmosphere.								
	Reason: Human activities such as burning fossil fuels and deforestation release large amounts of carbon dioxide into the atmosphere.								
2	Assertion: Conservation of water is essential for the survival of living organisms.								
	Reason: Oxygen is essential for various biological processes and human activities.								
3	Assertion: Biodegradable waste cannot recycle through vermicomposting.								
	Reason: Vermicomposting is a process that uses earthworms to break down organic waste.								
	Short Answer Questions								
1	What is the difference between biotic and abiotic components of the environment?								
2	How do plants help in maintaining the balance of carbon dioxide and oxygen in the atmosphere?								
3	What is rainwater harvesting? Why is it important?								
4	What is vermicomposting? How does it help in waste management?								

A	B
Vitamin A	Night blindness
Vitamin B1	Beriberi
Protein deficiency	Kwashiorkor
Iron deficiency	Anaemia

Reason–Assertion

- e) Both A and R are true, and R is the correct explanation of A.**
- f) Both A and R are true, but R is not the correct explanation of A.**
- g) A is true, but R is false.**
- h) A is false, but R is true.**

1. **Assertion (A):** Eating only rice daily can lead to malnutrition.
Reason (R): Rice mainly provides carbohydrates but lacks other essential nutrients.
2. **Assertion (A):** Vitamins are required in small amounts.
Reason (R): They regulate body functions and prevent deficiency diseases.
3. **Assertion (A):** Fats are essential for the body.
Reason (R): They provide insulation and store energy, though excess intake is harmful.

Short Answer Questions

1. Explain why a balanced diet is important for growing children.
2. Differentiate between energy-giving foods and protective foods with examples.
3. How does deficiency of iodine affect the human body?
4. Suggest two ways to improve the nutritional value of food at home.