



# GAIL DAV PUBLIC SCHOOL

## Class-VII Worksheet-1

### Topic- Components of Environment

#### I. Multiple Choice Questions:

Choose the most appropriate option:

1. **What is environment? Choose the correct option.**

- a) All that surrounds us                      b) All living things  
c) All non-living things.                      d) None of the above

2. **The 'Lithosphere' is the domain that provides us with:**

- a) Nitrogen for plants                      b) Mineral wealth and land for settlements  
c) Protection from UV rays                      d) Water for irrigation

3. **In a food chain, what is the functional role of 'Fungi' and 'Bacteria'?**

- a) Primary Producers                      b) Tertiary Consumers  
c) Decomposers                      d) Scavengers

Que. No 4 and 5 are assertion and reason . Read the Assertion (A) and Reason (R) carefully. Choose the correct option

4. **Assertion (A): The environment consists of living and non-living components.**

**Reason (R): Plants, animals, water, air, and land are all parts of the environment.**

**Options:**

- A. Both A and R are true, and R is the correct explanation of A.  
B. Both A and R are true, but R is not the correct explanation of A.  
C. A is true, but R is false.  
D. A is false, but R is true.

5. **Assertion (A): Human beings are part of the natural environment.**

**Reason (R): Humans interact with and depend on land, water, air, and other living beings.**

**Options:**

- A. Both A and R are true, and R is the correct explanation of A.
- B. Both A and R are true, but R is not the correct explanation of A.
- C. A is true, but R is false.
- D. A is false, but R is true.

**II. Fill in the Blanks :**

A

situation or condition in which an organism lives is \_\_\_\_\_.

- 1. \_\_\_\_\_ are organisms that cannot prepare their own food and depend on plants.
- 2. The process of maintaining a balance between the various components of the environment is called \_\_\_\_\_ balance.

**III. Match the Following :**

Column A	Column B
1. Hydrosphere	A. World of living organisms
2. Biotic	B. Domain of water
3. Ecosystem	C. Solid crust of the earth
4. Lithosphere	D. Relation between organisms and their surroundings
5. Autotrophs	E. Self-nourishing organisms (Plants)

**IV. One-Word Answers:**

- 1. Which gas acts as a "greenhouse gas" by absorbing heat radiated from the Earth?
- 2. What is the atmosphere composed of?
- 3. Mention the distribution of water in northern and southern hemisphere.

**V. Short Answer Type Questions:**

- 1. Why is the **Atmosphere** called the "protective blanket" of the Earth? Mention two reasons.
- 2. Give nay two differences between physical and biological environment.

**VI. Long Answer Type Questions:**

- 1.Explain any five ways by which human beings are disturbing the natural environment.

## **Section G: Source based questions:**

The environment is everything that surrounds us and influences our life. It is made up of three main components: natural, human-made, and human environment. The natural environment includes land, water, air, plants, and animals. These are also called the lithosphere, hydrosphere, atmosphere, and biosphere. They provide us with basic resources like food, water, and shelter.

The human-made environment consists of structures created by humans such as buildings, roads, bridges, and industries. These are developed to make life comfortable and convenient. However, excessive construction can harm the natural environment.

The human environment includes people, their activities, culture, traditions, and social systems. Humans interact with nature and modify it according to their needs. For example, cutting forests for agriculture or building cities changes the natural surroundings.

All these components are interconnected and depend on each other. A change in one component affects the others. Therefore, it is important to maintain a balance among them to protect the Earth and ensure a healthy environment for future generations.

### **Answer the following questions:**

**Q.1.** Name the three main components of the environment.

**Q.2.** Give one example of the human-made environment.

**Q3.** Why is it important to maintain a balance among the components of the environment?  
Give two reasons.



# GAIL DAV PUBLIC SCHOOL

## Class-VII Worksheet-2

### Topic- The Earth and Changes on It

#### I. Multiple Choice Questions:

*Tick the most appropriate option.*

- Which of the following is an internal (endogenic) force of the Earth?**
  - Running water
  - Wind
  - Earthquake
  - Glaciers
- The process of breaking down of rocks on the Earth's surface without movement is called:**
  - Erosion
  - Weathering
  - Gradation
  - Deposition
- A 'V-shaped' valley is typically formed by the action of:**
  - Winds in the desert
  - Sea waves
  - A river in its youthful stage
  - Moving ice (glaciers)

**Que. No 4 and 5 are assertion and reason . Read the Assertion (A) and Reason (R) carefully. Choose the correct option.**

- Assertion (A): The Earth's surface is constantly changing.**  
**Reason (R): Natural forces like wind, water, and earthquakes cause changes on Earth.**
  - Both A and R are true, and R is the correct explanation of A.
  - Both A and R are true, but R is not the correct explanation of A.
  - A is true, but R is false.
  - A is false, but R is true.
- Assertion (A): Earthquakes can change the shape of the land.**  
**Reason (R): Earthquakes are caused by movements inside the Earth.**

- (a) Both A and R are true, and R is the correct explanation of A.
- (b) Both A and R are true, but R is not the correct explanation of A.
- (c) A is true, but R is false.
- (d) A is false, but R is true.

**II. Fill in the Blanks:**

*Fill in the gaps with suitable words.*

1. The process of wearing away of the Earth's landscape by different agents is called \_\_\_\_\_.
2. The point inside the Earth's crust where an earthquake starts is called the \_\_\_\_\_.
3. A \_\_\_\_\_ is a vent in the Earth's crust through which molten material erupts.
4. The deposition of fine sand over a large area in deserts is called \_\_\_\_\_.
5. \_\_\_\_\_ are "rivers of ice" that move very slowly.

**III. Match the Following:**

*Match Column A with the correct agent of change in Column B.*

Column A (Landform)	Column B (Agent)
1. Delta	A. Sea Waves
2. Sand Dunes	B. Glacier
3. Sea Cliff	C. River
4. Moraines	D. Wind

**IV. One-Word Answers:**

1. What is soil?
2. Which agent of gradation forms 'Meanders' in its middle course?
3. What is called removal of top layer of soil?

**V. Short Answer Type Questions:**

1. What is **Gradation**? Name the two main processes involved in it.
2. Define **Aggradation** and **Degradation** with one example each.

**VI. Long Answer Type Questions:**

1. Explain how a **Delta** is formed. Why are deltas usually found at the mouth of a river?

2. Distinguish between **Internal Forces** and **External Forces** of the Earth. Give any three points.

### **Section G: Source based questions:**

The Earth is constantly changing due to natural and human activities. These changes can be slow or sudden. Slow changes take place over a long period of time, such as the formation of mountains, valleys, and plateaus. These are caused by forces like weathering, erosion, and deposition. Weathering breaks down rocks into smaller pieces, while erosion carries these materials away by wind, water, or ice.

Sudden changes occur quickly and can cause great damage. Examples include earthquakes, volcanic eruptions, floods, and landslides. An earthquake is the shaking of the Earth's surface caused by movements inside the Earth. Volcanic eruptions release lava, ash, and gases from beneath the Earth's crust.

Human activities also bring changes to the Earth. Deforestation, mining, and construction can alter the natural landscape. These activities may lead to soil erosion, loss of wildlife, and environmental imbalance.

It is important to understand these changes so that we can reduce their harmful effects. By protecting forests, using resources wisely, and being prepared for natural disasters, we can help maintain the balance of the Earth.

### **Answer the following questions:**

**Q.1** What is weathering?

**Q.2** Name one sudden change that occurs on the Earth.

**Q.3** How do human activities bring changes to the Earth? Give two examples.