

## LESSON-1 Living and Non-Living things

### A. Tick the correct answer:

1. a) Tree
2. b) Gills
3. c) Lion
4. d) Mountains
5. b) Plant

### B. Fill in the blanks:

1. Air
2. Nose
3. Frog
4. Stomata
5. Non-living

### C. State whether the following statements are true or false:

1. True
2. False
3. False
4. True
5. False

### D. Give reasons for the following statements:

#### 1. Plants die when they do not get sunlight and water.

**Ans:** Plants need water for photosynthesis. If plants do not get sunlight, they cannot produce chlorophyll and they will lose their green color and eventually die.

#### 2. We cover our nose when we pass through a dirty place.

**Ans:** To prevent diseases caused by breathing unclean air, we should close our noses when entering unclean places.

#### 3. A car is considered a non-living thing.

**Ans:** A car is considered a non-living thing because it cannot move, grow, breathe, feel or reproduce.

**E. Give one word for the following statements.**

**1. A certain age limit up to which all living beings live.**

**Ans:** Life span

**2. Process of producing young ones of own kind.**

**Ans:** Reproduction

**3. Tiny holes present on the leaves that help plants to breathe.**

**Ans:** Stomata

**4. Special body part of cockroaches that help them feel things.**

**Ans:** Antennae

**5. Tiny holes that help the insects to breathe.**

**Ans:** Spiracles

**F. Answer the following questions in brief:**

**1. Do animals prepare food on their own? If no, What do they eat?**

**Ans:** 1.No, Animals eat many different kinds of foods including other animals, fish, nuts, seeds, tree leaves, insects and grass.

**2. Most of our furniture is made from wood, and wood comes from plants. Is furniture living or non-living? Justify.**

**Ans:** Furnitures are non-living things because they are made by man and not self-made.

**3. What is the function of the stomata?**

**Ans:** Stomata is the small pores on the surfaces of leaves and stalks. Plants breathe through stomata.

**4. Why do animals need to move?**

**Ans:** 1. Animals move from one place to another in search of food and to protect themselves from their enemies.

**5. Name an animal that can breathe in two ways.**

**Ans:** Frog, they have lungs that help them to breathe on land and moist skin that helps them to breathe in water.

## G. Answer the following questions in detail:

### 1. Differentiate between living and Non-living things.

Living Things	Non-living things
1. Living things move on their own.	1. Non-living things do not move on their own
2. Living things grow	2. Non-living things do not grow.

### 2. Write the different features of living things, in your own words.

**Ans:** Living things can move, grow, breathe, need food, feel and reproduce.

### 3. Give examples to show that plants feel the changes around them.

**Ans:** Plants also feel changes around them. For example the leaves of mimosa plant feels and responds to touch.

### 4. How do sense organs help us to feel and respond?

- There are five senses – see, smell, touch, taste and hearing.
- Our senses help us to understand what is happening around us.
- Our senses sends messages to our brain using our nervous system to deliver that message.

## Lesson-2 The Human Body

### A) Tick the correct answer:

1. b) Lungs
2. d) Brain
3. a) Diaphragm contracts
4. a) Diaphragm

### B) Fill in the blanks:

1. Nose
2. Inhalation
3. Diaphragm, Contracts
4. Smoke
5. Digestive system

### C. True or False:

1. True

2. True
3. False
4. True

**D. Give reasons for the following statements.**

**1. We should not breathe through the mouth.**

**Ans:** Mouth breathing can cause bad breath and gum disease. It can also worsen symptoms of other illnesses.

**2. Bones and muscles are joined together.**

**Ans:** Bones shape our body and help us to stand up straight. Muscles are attached to bones and they help us walk and run and smile.

**E. Answer the following questions in one word:**

1. Hemoglobin
2. Excretory system
3. Joint
4. Respiration

**F. Answer the following questions in brief.**

**1. Why is brain the most important organ of our body?**

- Ans:**
1. The brain is located in the head.
  2. It helps us to think and controls the functions of all the organs of our body.

**2. What are the organs of the respiratory system?**

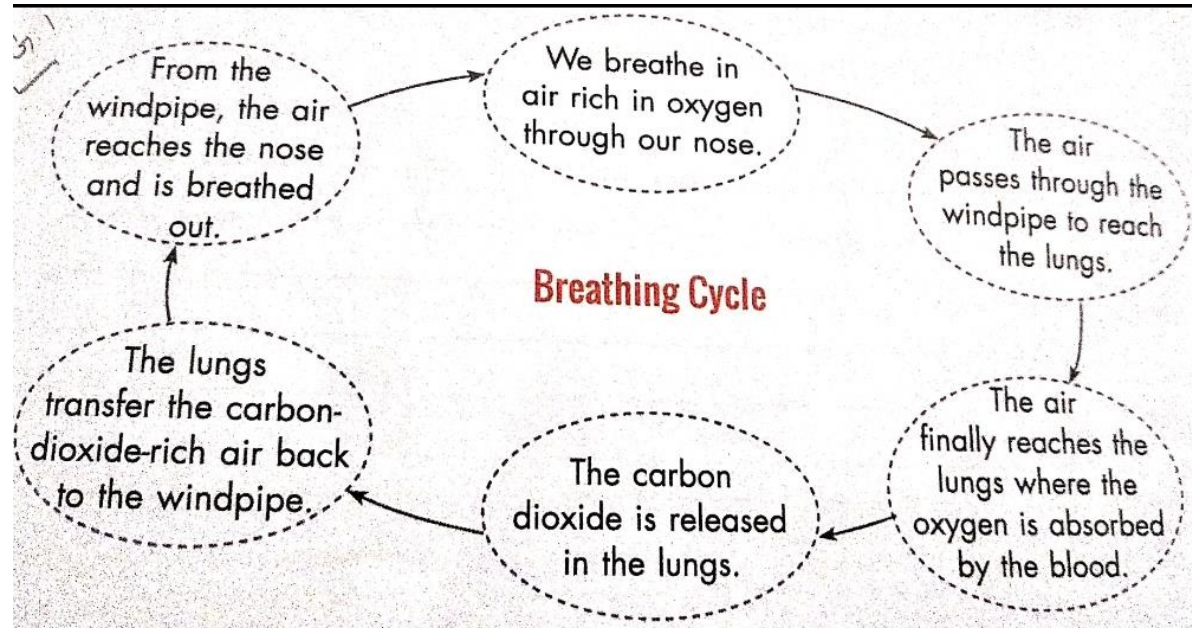
- Ans:**
1. Nose
  2. Windpipe
  3. Lungs
  4. Diaphragm

**3. What is the difference between inhaled air and exhaled air?**

**Ans:** The process of taking in of oxygen-rich air is called inhalation and the process of giving out air rich in carbon dioxide is called exhalation.

**G. Answer the following questions in detail:**

**1. Describe the complete process of breathing.**



**2. Write the function of the following internal organs.**

**Heart** pumps enough blood to deliver a continuous supply of oxygen and other nutrients to the other vital organs.

**Kidney** filters waste and other impurities from the blood.

**Brain** helps us to think and controls the functions of all the organs of our body.

**Stomach** digests the food we eat.