

STUDY MATERIALS

CLASS-V

CHAPTER 1-MY BODY

SUBJECT-SCIENCE

TOPIC- THE BREATHING SYSTEM

The human body is a complex machine, made up of several important **organs**. These organs are a part of different **systems** in the body. Without these internal organs and systems, our body would be unable to function normally.

Organs: Special structures present in our body which performs specific functions.

Example: -

Heart, Eyes,
Stomach, Nose..et
c

Systems: A group of organs that work together for a particular function.

Example: -

Breathing System,
Skeletal System,
Digestive System,
etc



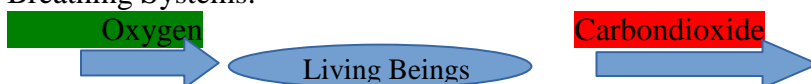
Internal Organs

The Breathing System/Respiratory System

The respiratory system carries out the process of breathing. If this process stops for more than two minutes, the living being can die. All living things take in oxygen and give out carbon dioxide. This process is called **breathing**.

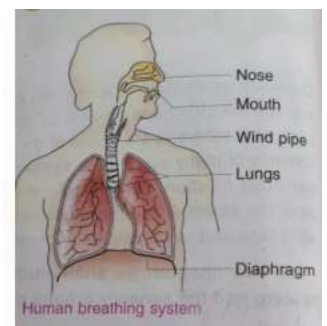
The nose, windpipe, lungs and diaphragm form the respiratory system

Breathing Systems:



Above process called breathing.

- **Nose:** Sense Organ used in breathing
- **Wind Pipe:** Nose connected to two balloon like structure by a tube
- **Lungs:** Two Balloon like structures.
- **Diaphragm:** The muscle between lungs and your stomach that helps you to breathe.
- **Inhalation:** Process of taking air containing oxygen into the lungs.
- **Exhalation:** Process of giving out air containing carbon dioxide from the lungs.
- **BREATHING=INHALATION+EXHALATION**



The right lungs is slightly larger than the left.

Q1. Choose the correct word from the help box:-

Carbon dioxide, left, organ system, oxygen, wind pipe

- a) A group of organs that work together for a particular function is known as _____
- b) During the process of breathing, all living things take in _____ and give out _____
- c) _____ is a tube like structure which is connected to lungs.
- d) The _____ lung is smaller.