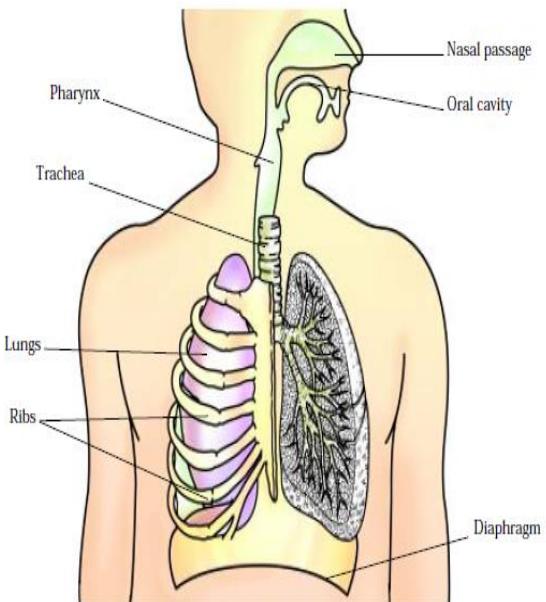


CLASS 7 CHAPTER 10 RESPIRATION IN ORGANISMS ASSIGNMENT 3
TOPIC : HUMAN RESPIRATORY SYSTEM DATE 15/05/2020

THE MECHANISM OF BREATHING IN HUMAN BEINGS

- We take in the air present in the environment through our nostrils which travels through the nasal cavity.
- Then it moves through the windpipe and reaches the lungs.
- The lungs are located in the chest cavity which is surrounded by the ribs.
- On the floor of the chest cavity lays a muscle sheet called diaphragm.
- During the breathing process, the movement of the ribs and diaphragm takes place. This is so because the lungs expand and contract during breathing.
- As we take in the air it fills up the lungs. This moves the diaphragm downwards and the ribs outwards.
- The lungs when releasing out air from the body which brings back the diaphragm and the ribs to their original positions.



HUMAN RESPIRATORY SYSTEM

WHY DO WE SNEEZE?

- As we inhale the air present in the surroundings sometimes various unwanted elements such as smoke and dust are also included in it.
- However, they get stuck in the hair in our nostrils but some of them can get through the nasal cavity.
- They thus cause irritation in the nasal cavity which makes us sneeze. This helps in getting rid of the unwanted particles out of the nasal cavity.

WHAT DO WE BREATHE OUT?

Percentage of oxygen in the air inhaled is 21% and the percentage of carbon dioxide in the air inhaled is 0.04%

Percentage of oxygen in the air exhaled is 16.4% and the percentage of carbon dioxide in the exhaled air is 4.4%

IMPORTANT QUESTIONS

1. Draw a well labelled diagram of human respiratory system.
2. What is the muscle sheet at the base of chest cavity known as ?
3. What is the percentage of oxygen and carbon dioxide in the inhaled air?
4. Why do we sneeze?
5. During exhalation , the ribs
 - (a) Move outwards
 - (b) move downwards
 - (c) move upwards
 - (d) does not move at all

FOR WATCHING VIDEO RELATED TO HUMAN RESPIRATORY SYSTEM CLICK THE YOUTUBE LINK GIVEN BELOW

<https://youtu.be/dL5RBoJ3fk0>