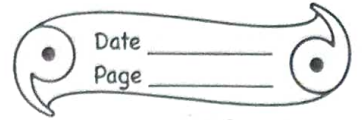


HOME - ASSIGNMENT



1. How are lungs designed in human beings to maximise the area for exchange of gases?

Ans: ★ In human beings, a pair of lungs are designed in such a way that they are lined by a thin membrane & smaller tubes called bronchioles ending in air sacs called as alveoli.

★ Alveoli are balloon like structures that provide a S.A. for exchange of gases to take place.

★ The walls of alveoli are produced with extensive network of Blood vessels. So, lungs maximise S.A. due to presence of millions of alveoli which make the chest cavity spacious & provide a surface for exchange of gases.

2. What are the functions of lymph in our body?

- Ans: *
- It supplies nutrition and oxygen to those parts of body where blood cannot reach.
 - It transports antibodies & lymphocytes to the blood.
 - Transports oxygen, hormones & nutrients to different parts of the body & removes the metabolic waste from cells.
 - Also helps in maintaining composition of blood.

3. How is haemoglobin associated with respiration?

Ans: * In respiration, the transport of oxygen in blood is undertaken by Haemoglobin → the largest component of red blood cells.

* So, Haemoglobin collects oxygen from lungs as O_2 molecules bind to Hb molecule and are transported along with blood to different cells of our body.