

Homework

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

In humans, a pair of lungs are designed with such a way that these are lined by a thin membrane, the smaller tubes called bronchioles a balloon-like structure called alveoli and a network of blood capillaries increase the surface area for the exchange of gases.

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

① It supplies nutrition and oxygen to those parts where blood cannot reach.

② It drains away excess tissue fluids.

③ Lymph returns proteins to the blood from the tissue.

④ Fats from the intestine are also absorbed into the lymph.

3. How is Haemoglobin associated with respiration?

- Haemoglobin in the blood carries oxygen from the respiratory organs to the rest of the body.
- There it releases the oxygen to permit aerobic respiration to provide energy to power the functions of the organism in the process called metabolism.