

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

In humans a pair of lungs are designed in such a way that they are lined by a thin membrane the smaller tubes called bronchioles a balloon like structure called alveoli and a network of blood capillaries lined. 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 fluid.

(3) Lymph returns proteins to the blood from the tissue spaces.

(3) How is hemoglobin associated with respiration? Hemoglobin in blood carries oxygen from the respiring organs to the rest of the body. Then it releases the oxygen to permit aerobic respiration to provide energy to power the functions of organism in the process called metabolism.