Home Assignment

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

Each lungs plays a vital role in the respiratory system. In humans, a pair of lungs are designed in such a way they are lined by a thin membrane, the smaller tubes called bronchioles a balloon like structure called alveoli increase the surface area for the exchange of gases.

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

(1) Lymph absorbs some of fluid from digestive tract. It passes proteins from circulation to tissues.

(2) It carries digested fat.

(3) The lymph drains excess fluid from extracellular spaces back into the blood.

(4) It carries carbon dioxide and nitrogenous waste materials from tissues to the blood.

(5) It protects the body by killing the germs.

3. How is haemoglobin associated with respiration?

Haemoglobin in the blood carries oxygen from the respiratory organs to the rest of body. There it releases the oxygen to allow aerobic respiration to provide energy to power the functions organisms ~~called~~ in the metabolism.