

HOME ASSIGNMENTS

1. How are lungs designed in human beings to maximise the area of exchange of gases?
In human beings, ~~separate~~ 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 increase the surface area for the exchange of gases.

2. What are functions of lymph in our body?

→ It takes part in the nutritive process of the body. It puts into circulation large protein molecules by carrying them from the tissues into the blood stream which could not be absorbed by blood capillaries due to its larger size.

→ It protects the body by killing the germs drained out of the body tissues with the help of lymphocytes contained in the lymph nodes, and by making antibodies.

→ It helps in removing the waste products like fragments of dead cells, etc.

3. How is hemoglobin associated with respiration?
Hemoglobin in blood carries oxygen from the lungs to the rest of the body. There it releases oxygen to permit aerobic respiration.