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Q1

How are the HLB lungs designed in the human beings to maximise the area for gaseous exchange?

Ans → Exchange of gases takes place between the blood and capillaries that surround the alveoli. Thus this is the site for the exchange of gases. And the lungs contain 300 - 350 million alveoli. So, when air is inhaled ~~so~~ it gets exchanged at

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alveoli and we can inhale a lot amount of air. ~~than the~~

Q2 Ans) Function of lymph ->

- * transports digested food and absorbed fat.
- * transports antibodies hence enhancing the immune system.
- * Maintains the composition of tissue fluid and the volume of blood.

Q3 Ans) Hemoglobin is a red coloured pigment found in RBCs. It helps the RBCs to carry O_2 by binding with it (Oxyhemoglobin), helping in transporting O_2 to different organs of the body. And then it also binds with CO_2 and helps them to transport back to the heart thus helping in exchange of gas.