

## Homework

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

Ans: There are millions of Alveoli in the lungs. The presence of millions of alveoli in the lungs. The presence of ~~alveoli~~ provide a very large area for the exchanges of gases. And the availability of large surface area maximizes the exchange of gases.

Q: What are the functions of lymph in our body?

Ans:

- i) Supplies nutrition & oxygen
- ii) Drains away excess tissue fluids
- iii) Fats are absorbed by the lymph
- iv) Returns proteins to the blood from the tissue spaces.

Q: How is haemoglobin associated with respiration?

Ans: Haemoglobin is found in red blood cells which has the principal

Function of transferring  $O_2$   
from lungs to the needy tissue  
Haemoglobin binds well with  
the  $O_2$  which permit  
efficient movement of  $RMg$   
to reach to the tissues.