

HW

- Q. 1. How are the lungs designed in human beings to maximise the area for exchange of gases?
- Q. 2. What are the functions of lymph in our body?
- Q. 3. How is haemoglobin associated with respiration?

ans ②. Functions of lymph in our body -

- i) Lymph carries digested and absorbed fat from intestine to other tissues.
- ii) It also drains excess fluid from extra cellular space back into the blood.

ans ③. Haemoglobin has a very high affinity for oxygen. It is present in RBC.

→ Haemoglobin transports the oxygen very fast to each part of our body. Because diffusion will not be able to meet the requirements very fast.

ans ①. Lungs lie in the thoracic cavity on the sides of the heart. Within lungs a major bronchi is divided into secondary bronchi and two membranes. Each bronchioles divides alveolar ducts which enter to alveolar sacs.

→ The large surface area spread out, it would be available for exchange of gases fulfills our requirement of oxygen.