

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

Ans => In humans, a pair of 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 exchange of gases.

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

Ans => The functions of lymph include -

- i) They protect our body from illness-causing invaders.
- ii) Maintains body-fluid levels.
- iii) Absorbed digestive products fats and also helps in removing cellular waste.
- iv) Lymph returns proteins to the blood from the tissue spaces.



3. How is Haemoglobin associated with respiration?

Ans ⇒ Hemoglobin in blood carries oxygen from the lungs or the gills to the rest of the body. There it releases the oxygen to permit aerobic respiration to provide energy to power the functions of the organism in the process called metabolism.