

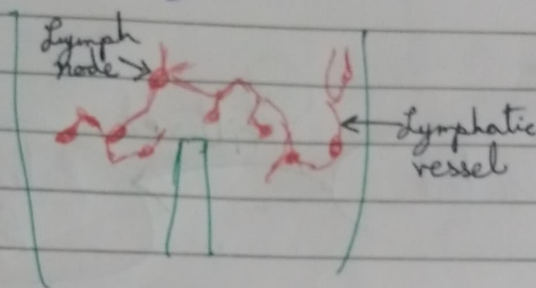
## Lymphatic System:-

Bone marrow :- It is the source of all blood cells & immune cells.

⑧ Lymphatic system is a drainage system that removes excess fluid from body tissues and returns it to the bloodstream.

In this system, the organs of immune system ~~are~~ are connected to one another and with other organs of the body by a network of lymphatic vessels.

## Lymphatic Vessels & Lymph Nodes:-

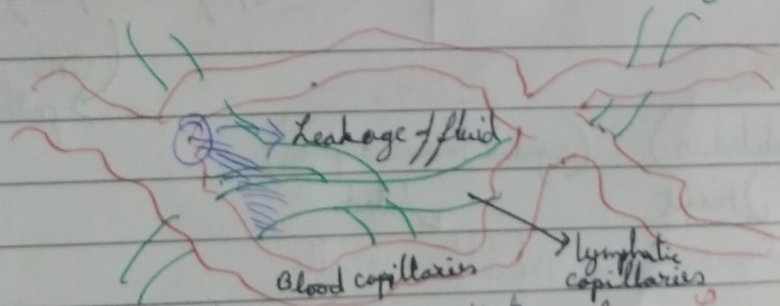


Here :-

- Lymphatic vessels run closely parallel to body's veins & arteries

↳ carries

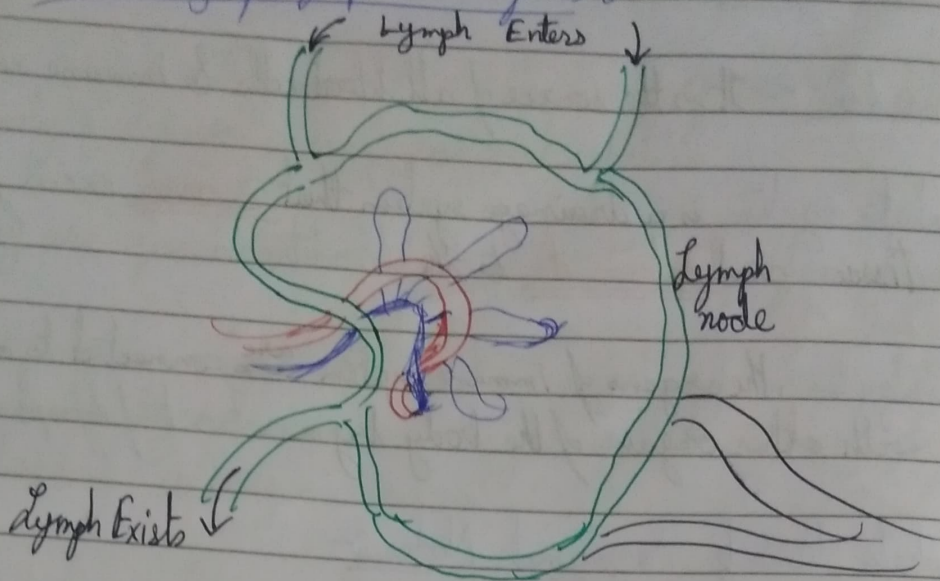
→ Lymph :- A clear fluid that circulates throughout lymphatic system. It is formed from interstitial fluid that leaks from blood cells into the tissues and is later absorbed into lymphatic vessels.



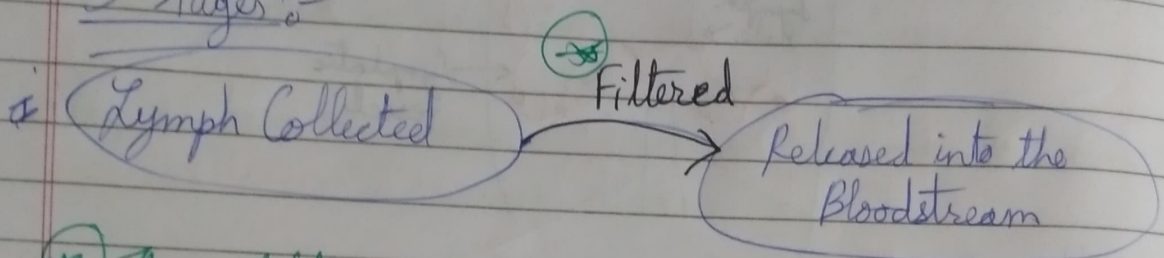
Leakage of fluid from Blood capillaries form Lymph if these fluids are not reabsorbed by Blood capillaries

- Lymph nodes are packed with immune cells (lymphocytes & macrophages) that attack and destroy pathogens.

## How Working of Lymphatic organs?

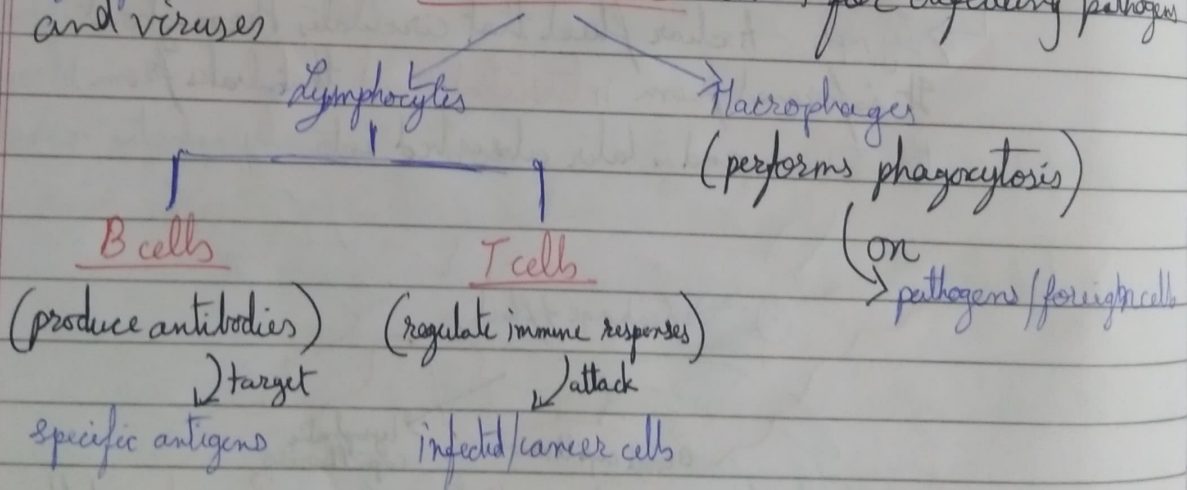


### 3 stages:-



\* This filtering part is done by Lymph Node

1) Lymph Nodes have immune cells central for defeating pathogens and viruses



2) Lymph Nodes also remove cellular debris which are done by Phagocytes

→ Monocyte Macrophages  
 → Microphages → Neutrophils & Eosinophils  
 They move by diapedesis