

In this lecture we will learn : Lymph, Formation, Components, Functions of lymph, Lymphatic system, Difference between Blood and Lymph.

Lymph :Lymph is a pale fluid that contains white blood cells and that passes through channels in the body and helps to keep bodily tissues healthy.

Formation: The lymph is derived from the interstitial fluid that surrounds the body cells. Medically, the formation of lymph is called lymphogenesis .

Components: 1. Water

2. Cells

3. Solid substance

Functions of Lymph:

1. Lymph acts as a "mediator " which transports oxygen, food materials, hormones, etc. to the body cells and brings carbon dioxide and other metabolic wastes, from the body cells to blood and then finally pours the same into the venous system.

2. It transports white blood cells to and from the lymph nodes into the bones.

3. It destroys the invading microorganisms and foreign particles in the lymph nodes.

4. It absorbs and transports fat and soluble vitamins from the intestine.

Lymphatic system:

The lymphatic system is part of the circulatory system, comprising a network of lymphatic vessels that carry a fluid called lymph directionally towards the heart . The lymphatic system has two main parts:

1. The lymph vessels or lymphatic vessels

2. The lymph nodes or lymph glands.

Difference between Blood and Lymph.

Blood	Lymph.
1. Blood is pumped throughout the body by the heart.	1. Lymph is moved along through the normal function of the body.
2. Blood transports oxygen throughout the body.	2. Lymph removes waste from the system.
3. Blood contains red blood cells, white blood cells and platelets.	3. Lymph is a whitish and clear liquid which contains white blood cells.
4. The kidney purify the blood.	4. Lymph is purified in the nodes itself.