

THE IMMUNE SYSTEM AND LYMPHATIC SYSTEM STUDY GUIDE

Know the function of the lymphatic system, and the parts of the system (20.1)

Lymphatic System: A group of organs and tissues with functions including immunity and fluid homeostasis

The Lymphatic System consists of two main components

1. **Lymphatic vessels**-blind-ended vessels that transport lymph from the interstitial fluid to the blood
2. **Lymphatic Organs**-tonsils, lymph nodes, spleen and thymus

FUNCTIONS:

A) Regulation of Interstitial Fluid Volume

Fluid lost to interstitial fluid via water from plasma must be returned to the circulation which is done by the lymphatic vessels which pick up excess interstitial fluid and deliver it back to the cardiovascular system

->keeps blood volume and pressure from dropping to low

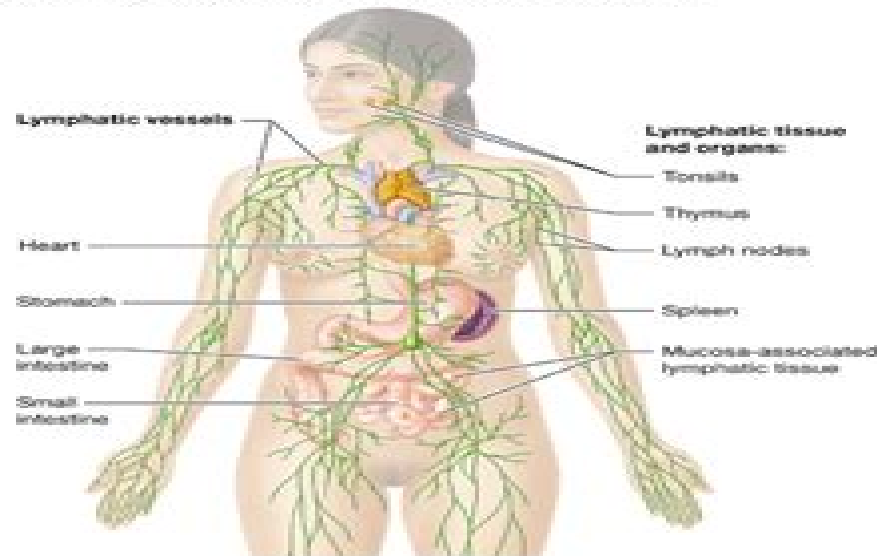
Lymph: the watery liquid located within the lymphatic vessels; composition similar to interstitial but with few proteins

B) Absorption of Dietary Fats

Breakdown of fat products too large for capillaries but are able to enter lymphatic vessels in small intestines and are delivered to blood with lymph

C) Immune Function

The lymphoid organs filter pathogens from the lymph to the blood



Lymphatic And Immune System Study Guide

AN Whitehead



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