CHAP 12 THE LYMPHATIC SYSTEM AND BODY DEFENSES

The Lymphatic System

 Consists of two semi-independent parts

> Lymphatic vessels Lymphoid tissues and organs

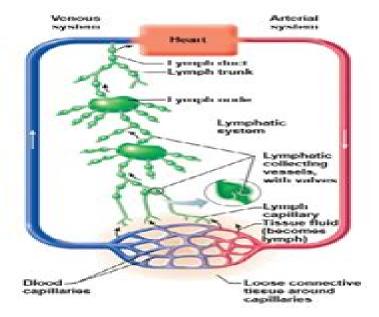
Lymphatic system functions

Transports escaped fluids back to the blood

Plays essential roles in body Defence and resistance to disease

Lymphatic Characteristics

- Lymph—excess tissue fluid carried by lymphatic vessels
- Properties of lymphatic vessels
 - One way system toward the heart
 - No pump
 - Lymph moves toward the heart
 - Milking action of skeletal muscle
 - Rhythmic contraction of smooth muscle in vessel walls



Lymphatic Vessels

- Lymph capillaries
 - Walls overlap to form flaplike minivalves
 - Fluid leaks into lymph capillaries
 - Capillaries are anchored to connective tissue by filaments
 - Higher pressure on the inside closes minivalves
 - Fluid is forced along the vessel
- Lymphatic collecting vessels
 - Collect lymph from lymph capillaries
 - Carry lymph to and away from lymph nodes

The Lymphatic System And Body Defenses Study Guide

Mark Steyvers

The Lymphatic System And Body Defenses Study Guide:

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