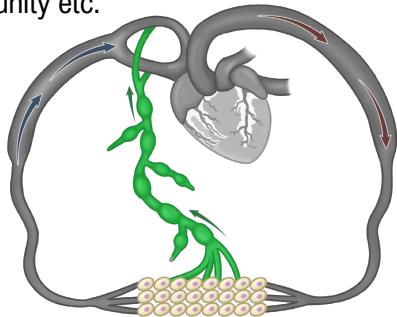


## **CONCEPT: OVERVIEW OF THE LYMPHATIC SYSTEM**

### **Introduction to Lymphatic System**

- ◆ A network of vessels, tissues, & organs that maintain \_\_\_\_\_ balance and aid immunity etc.
  - Absorbs excess tissue fluid, \_\_\_\_\_ & returns it to the circulatory system.
    - **Lymph:** Fluid \_\_\_\_\_ lymph vessels.
- ◆ Unlike the circulatory system, the lymphatic system only flows in \_\_\_\_\_ direction.



### **EXAMPLE**

Identify which of the following statements is correct?

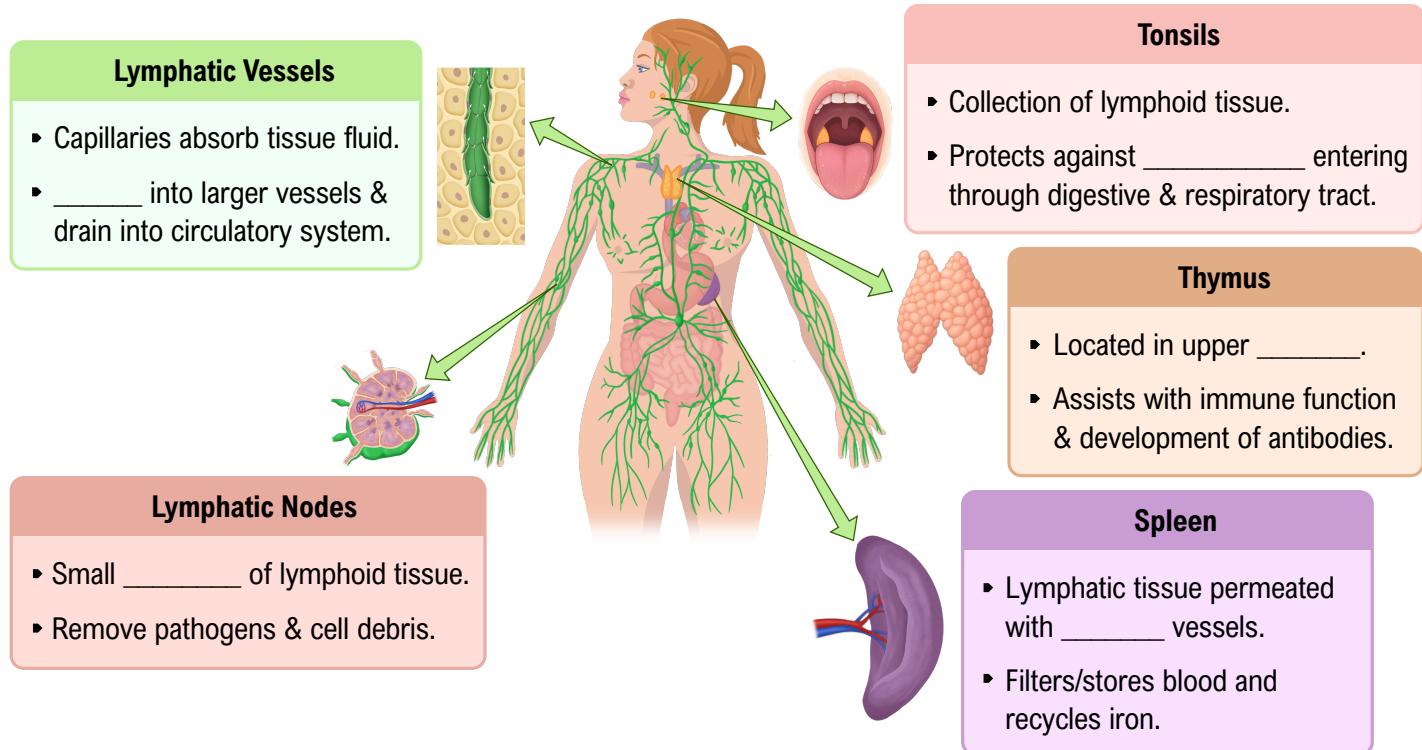
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- a) The lymphatic system cleans up cellular waste and transports clean lymph to the liver.
- b) Lymphatic system consists of lymphatic vessels and is limited to one function only.
- c) Lymphatic capillaries merge into larger vessels and drain into the circulatory system.
- d) Lymphatic vessels absorb tissue waste and release nutrients to keep tissues healthy.

## **CONCEPT: OVERVIEW OF THE LYMPHATIC SYSTEM**

### **Lymphatic System Components**

- ◆ Consists of lymphatic vessels, lymphatic nodes, tonsils, \_\_\_\_\_, and spleen.



## **EXAMPLE**

Identify each of the following statements as true (T) or false (F).

a) _____	Thymus is an essential organ of lymphatic system because it produces lymphocytes.
b) _____	The spleen stores and filters blood and recycles iron.
c) _____	Tonsils are collections of connective tissue and help the immune system.
d) _____	Lymphatic nodes remove pathogens and cellular debris from the lymph.

## **PRACTICE**

Identify the correct statement.

- a) Lymphatic system maintains blood pressure by absorbing excess fluid from arteries.
- b) In addition to maintaining fluid balance, lymphatic system also aids with immunity.
- c) All tissues and organs of the lymphatic system clean lymph and drain it into the venous system.
- d) Spleen can absorb excess plasma from the blood and convert it to lymph.