Lymph Formation & Flow

To complete this worksheet, select:

Module: Distribution
Activity: Animations
Title: Lymph Formation & Flow

Introduction

1. Define the lymphatic system. 

2. Where does lymph come from?

Lymphatic System Functions

3. Name the three major functions of the lymphatic system. 

4. Each day about 20 liters of fluid filters out of blood capillaries at the arteriole end. About 17 liters of this fluid is reabsorbed at the venous end. What happens to the remaining 3 liters of interstitial fluid?

5. Describe the function of lymphatic capillaries in the small intestine.

6. How does the lymphatic system promote disease resistance?
Formation of Lymph

7. a. How does lymphatic capillary structure define its function?

b. How does pressure determine lymph movement?

Return Mechanisms

8. a. What is the function of lymphatic ducts?

b. Contrast the functions of the right lymphatic duct and the thoracic lymphatic duct.

c. Where do the lymphatic ducts empty into the circulatory system?

9. What two mechanisms promote lymph movement.

10. Describe the three steps that result in lymph movement facilitated by muscular pumping.

11. Explain the respiratory pumping mechanism of moving lymph toward the heart.