

## **What is the primary function of lymphatic capillaries**

- A. To produce hormones
- B. To collect excess fluid and waste products from tissues
- C. To regulate body temperature
- D. To transport oxygen to the cells

## **Where are lymphatic capillaries found in the body**

- A. Only in the arms
- B. Throughout the body
- C. Only in the head
- D. Only in the legs

## **How do lymphatic capillaries differ from blood capillaries**

- A. Lymphatic capillaries lack a continuous basement membrane
- B. Lymphatic capillaries are larger in diameter than blood capillaries
- C. Lymphatic capillaries carry lymph instead of blood
- D. Lymphatic capillaries have thicker walls than blood capillaries

## **What is the structure of lymphatic capillaries**

- A. Branching networks
- B. Long tubes with valves
- C. Blind-ended tubes
- D. Circular vessels

## **What is the role of lymphatic capillaries in the immune system**

- A. Produce hormones

- B. Transport oxygen to cells
- C. Regulate blood sugar levels
- D. Drain excess fluid and waste from tissues

### **How do lymphatic capillaries help maintain fluid balance in the body**

- A. They absorb excess fluid and proteins from tissues.
- B. They transport oxygen to tissues.
- C. They help with digestion.
- D. They regulate blood sugar levels.

### **What is the composition of lymphatic fluid**

- A. Lipids, vitamins, minerals
- B. Blood cells, glucose, hormones
- C. Water, proteins, salts, white blood cells
- D. Red blood cells, antibodies, enzymes

### **How do lymphatic capillaries transport lymph through the body**

- A. By diffusion
- B. By using the circulatory system
- C. By gravity
- D. By contracting smooth muscle cells lining the capillaries

### **What is the relationship between lymphatic capillaries and lymph nodes**

- A. Lymph nodes transport lymph to lymphatic capillaries
- B. Lymphatic capillaries filter lymph in lymph nodes
- C. Lymphatic capillaries carry lymph to lymph nodes
- D. Lymphatic capillaries produce lymph nodes

## **How do lymphatic capillaries contribute to the removal of waste products from tissues?**

- A. By releasing hormones into the bloodstream
- B. By producing energy for cells
- C. By transporting oxygen to tissues
- D. By collecting excess interstitial fluid and waste products

## **What is the role of lymphatic capillaries in fat absorption in the small intestine?**

- A. Regulate blood sugar
- B. Transport oxygen
- C. Produce hormones
- D. Absorb dietary fats

## **How do lymphatic capillaries help prevent the spread of infection in the body?**

- A. They store pathogens in the body.
- B. They release pathogens into the bloodstream.
- C. They promote the spread of infection in the body.
- D. They collect and transport excess fluid and pathogens away from tissues.

## **What is the importance of lymphatic capillaries in cancer metastasis?**

- A. Lymphatic capillaries only carry blood, not cancer cells.
- B. Lymphatic capillaries have no role in cancer metastasis.
- C. Lymphatic capillaries provide a pathway for cancer cells to spread to other parts of the body.
- D. Lymphatic capillaries help prevent cancer metastasis.

## **How are lymphatic capillaries affected by conditions such as lymphedema?**

- A. Lymphatic capillaries shrink in size

- B. Lymphatic capillaries are not affected
- C. Lymphatic capillaries expand and become more efficient
- D. Lymphatic capillaries become blocked or damaged

### **What is the role of lymphatic capillaries in the transport of immune cells**

- A. Producing hormones
- B. Transport of immune cells
- C. Digestion of nutrients
- D. Regulating blood pressure

### **How do lymphatic capillaries interact with the cardiovascular system**

- A. By filtering waste products from the blood
- B. By regulating blood pressure
- C. By draining excess interstitial fluid into the bloodstream
- D. By carrying oxygen to tissues

### **What factors can affect the function of lymphatic capillaries**

- A. Hydration levels
- B. Exercise
- C. Sun exposure
- D. Inflammation

### **How do lymphatic capillaries contribute to overall health and well-being**

- A. Lymphatic capillaries help remove toxins and waste from the body.
- B. Lymphatic capillaries produce antibodies to fight infections.
- C. Lymphatic capillaries regulate blood pressure.
- D. Lymphatic capillaries transport oxygen to the cells.

## **What are some potential treatments for conditions affecting lymphatic capillaries**

- A. Antibiotics
- B. Compression therapy
- C. Chemotherapy
- D. Surgery

## **How can individuals support the health and function of their lymphatic capillaries**

- A. Limit movement
- B. Stay hydrated
- C. Avoid exercise
- D. Eat a high-sodium diet

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