

## Anatomy Blood Vessels Quiz Answer Key PDF

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**Which vessel is the largest artery in the body?**

- A. Pulmonary Artery
- B. Aorta ✓**
- C. Vena Cava
- D. Carotid Artery

**Which vessels are involved in systemic circulation? (Select all that apply)**

- A. Aorta ✓**
- B. Pulmonary Arteries
- C. Vena Cava ✓**
- D. Pulmonary Veins

**What are common disorders affecting blood vessels? (Select all that apply)**

- A. Atherosclerosis ✓**
- B. Diabetes
- C. Varicose Veins ✓**
- D. Hypertension ✓**

**What condition is characterized by the build-up of plaques in arterial walls?**

- A. Varicose Veins
- B. Aneurysm
- C. Atherosclerosis ✓**
- D. Hypertension

**What is the primary function of capillaries?**

- A. Transport blood to the heart
- B. Exchange gases and nutrients ✓**
- C. Store blood
- D. Regulate blood pressure

**Which of the following is NOT a function of blood vessels?**

- A. Transportation of blood
- B. Exchange of gases
- C. Production of red blood cells ✓**
- D. Regulation of blood pressure

**Which of the following are layers of a blood vessel wall? (Select all that apply)**

- A. Tunica Intima ✓**
- B. Tunica Media ✓**
- C. Tunica Externa ✓**
- D. Endocardium

**Which blood vessels are involved in pulmonary circulation? (Select all that apply)**

- A. Pulmonary Arteries ✓**
- B. Pulmonary Veins ✓**
- C. Aorta
- D. Vena Cava

**What imaging technique is used to view blood vessels and diagnose blockages?**

- A. MRI
- B. Angiography ✓**
- C. Ultrasound
- D. CT Scan

**Which of the following are functions of blood vessels? (Select all that apply)**

- A. Transportation of nutrients ✓**
- B. Exchange of gases ✓**

C. Production of hormones

**D. Regulation of blood pressure ✓**

**What is the innermost layer of a blood vessel called?**

A. Tunica Media

B. Tunica Externa

**C. Tunica Intima ✓**

D. Endothelium

**What are characteristics of capillaries? (Select all that apply)**

A. Thick walls

**B. Site of nutrient exchange ✓**

**C. Microscopic size ✓**

D. High pressure

**Which type of blood vessel carries oxygenated blood away from the heart?**

A. Veins

**B. Arteries ✓**

C. Capillaries

D. Venules

**Which vessels have valves to prevent backflow of blood?**

A. Arteries

B. Capillaries

**C. Veins ✓**

D. Arterioles