

A&P 20 Blood Vessels & Circulation MCQ

Blood Vessels Circulat.

Author: OpenStax College

Published 2014

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4. Chapter: A&P 20 Blood Vessels & Circulation MCQ

1. A&P 20 Blood Vessels & Circulation MCQ Questions

4.1.1. The endothelium is found in the _____.

Author: OpenStax College

The endothelium is found in the _____.

Please choose only one answer:

- tunica intima
- tunica media
- tunica externa
- lumen

Check the answer of this question online at QuizOver.com:

Question: [The endothelium is found in the . OpenStax College Anatomy Physiology](#)

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4.1.2. Nervi vasorum control _____.

Author: OpenStax College

Nervi vasorum control _____.

Please choose only one answer:

- vasoconstriction
- vasodilation
- capillary permeability
- both vasoconstriction and vasodilation

Check the answer of this question online at QuizOver.com:

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4.1.3. Closer to the heart, arteries would be expected to have a higher pe...

Author: OpenStax College

Closer to the heart, arteries would be expected to have a higher percentage of _____.

Please choose only one answer:

- endothelium
- smooth muscle fibers
- elastic fibers
- collagenous fibers

Check the answer of this question online at QuizOver.com:

Question: [Closer to the heart arteries would be OpenStax College Anatomy Quest](#)

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4.1.4. Which of the following best describes veins?

Author: OpenStax College

Which of the following best describes veins?

Please choose only one answer:

- thick walled, small lumens, low pressure, lack valves
- thin walled, large lumens, low pressure, have valves
- thin walled, small lumens, high pressure, have valves
- thick walled, large lumens, high pressure, lack valves

Check the answer of this question online at QuizOver.com:

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4.1.5. An especially leaky type of capillary found in the liver and certai...

Author: OpenStax College

An especially leaky type of capillary found in the liver and certain other tissues is called a _____.

Please choose only one answer:

- capillary bed
- fenestrated capillary
- sinusoid capillary
- metarteriole

Check the answer of this question online at QuizOver.com:

Question: [An especially leaky type of capillary OpenStax College Anatomy Quest](#)

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4.1.6. In a blood pressure measurement of 110/70, the number 70 is the ____...

Author: OpenStax College

In a blood pressure measurement of 110/70, the number 70 is the _____.

Please choose only one answer:

- systolic pressure
- diastolic pressure
- pulse pressure
- mean arterial pressure

Check the answer of this question online at QuizOver.com:

Question: [In a blood pressure measurement of 110/7 OpenStax College Anatomy](#)

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4.1.7. A healthy elastic artery _____.

Author: OpenStax College

A healthy elastic artery _____.

Please choose only one answer:

- is compliant
- reduces blood flow
- is a resistance artery
- has a thin wall and irregular lumen

Check the answer of this question online at QuizOver.com:

Question: [A healthy elastic artery . OpenStax College Anatomy Physiology 20](#)

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4.1.8. Which of the following statements is true?

Author: OpenStax College

Which of the following statements is true?

Please choose only one answer:

- The longer the vessel, the lower the resistance and the greater the flow.
- As blood volume decreases, blood pressure and blood flow also decrease.
- Increased viscosity increases blood flow.
- All of the above are true.

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4.1.9. Slight vasodilation in an arteriole prompts a _____.

Author: OpenStax College

Slight vasodilation in an arteriole prompts a _____.

Please choose only one answer:

- slight increase in resistance
- huge increase in resistance
- slight decrease in resistance
- huge decrease in resistance

Check the answer of this question online at QuizOver.com:

Question: [Slight vasodilation in an arteriole prompts OpenStax College Anatomy](#)

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4.1.10. Venoconstriction increases which of the following?

Author: OpenStax College

Venoconstriction increases which of the following?

Please choose only one answer:

- blood pressure within the vein
- blood flow within the vein
- return of blood to the heart
- all of the above

Check the answer of this question online at QuizOver.com:

Question: [Venoconstriction increases which of the OpenStax College Anatomy](#)

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4.1.11. Hydrostatic pressure is _____.

Author: OpenStax College

Hydrostatic pressure is _____.

Please choose only one answer:

- greater than colloid osmotic pressure at the venous end of the capillary bed
- the pressure exerted by fluid in an enclosed space
- about zero at the midpoint of a capillary bed
- all of the above

Check the answer of this question online at QuizOver.com:

Question: [Hydrostatic pressure is . OpenStax College Anatomy Physiology 20:](#)

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4.1.12. Net filtration pressure is calculated by _____.

Author: OpenStax College

Net filtration pressure is calculated by _____.

Please choose only one answer:

- adding the capillary hydrostatic pressure to the interstitial fluid hydrostatic pressure
- subtracting the fluid drained by the lymphatic vessels from the total fluid in the interstitial fluid
- adding the blood colloid osmotic pressure to the capillary hydrostatic pressure
- subtracting the blood colloid osmotic pressure from the capillary hydrostatic pressure

Check the answer of this question online at QuizOver.com:

Question: [Net filtration pressure is calculated by OpenStax College Anatomy](#)

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4.1.13. Which of the following statements is true?

Author: OpenStax College

Which of the following statements is true?

Please choose only one answer:

- In one day, more fluid exits the capillary through filtration than enters through reabsorption.
- In one day, approximately 35 mm of blood are filtered and 7 mm are reabsorbed.
- In one day, the capillaries of the lymphatic system absorb about 20.4 liters of fluid.
- None of the above are true.

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4.1.14. Clusters of neurons in the medulla oblongata that regulate blood pr...

Author: OpenStax College

Clusters of neurons in the medulla oblongata that regulate blood pressure are known collectively as _____.

Please choose only one answer:

- baroreceptors
- angioreceptors
- the cardiomotor mechanism
- the cardiovascular center

Check the answer of this question online at QuizOver.com:

Question: [Clusters of neurons in the medulla oblongata OpenStax College Anatomy](#)

Flashcards:

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4.1.15. In the renin-angiotensin-aldosterone mechanism, _____.

Author: OpenStax College

In the renin-angiotensin-aldosterone mechanism, _____.

Please choose only one answer:

- decreased blood pressure prompts the release of renin from the liver
- aldosterone prompts increased urine output
- aldosterone prompts the kidneys to reabsorb sodium
- all of the above

Check the answer of this question online at QuizOver.com:

Question: [In the renin-angiotensin-aldosterone OpenStax College Anatomy Quest](#)

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4.1.16. In the myogenic response, _____.

Author: OpenStax College

In the myogenic response, _____.

Please choose only one answer:

- muscle contraction promotes venous return to the heart
- ventricular contraction strength is decreased
- vascular smooth muscle responds to stretch
- endothelins dilate muscular arteries

Check the answer of this question online at QuizOver.com:

Question: [In the myogenic response . OpenStax College Anatomy Physiology 20](#)

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4.1.17. A form of circulatory shock common in young children with severe di...

Author: OpenStax College

A form of circulatory shock common in young children with severe diarrhea or vomiting is _____.

Please choose only one answer:

- hypovolemic shock
- anaphylactic shock
- obstructive shock
- hemorrhagic shock

Check the answer of this question online at QuizOver.com:

Question: [A form of circulatory shock common in OpenStax College Anatomy Quest](#)

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4.1.18. The coronary arteries branch off of the _____.

Author: OpenStax College

The coronary arteries branch off of the _____.

Please choose only one answer:

- aortic valve
- ascending aorta
- aortic arch
- thoracic aorta

Check the answer of this question online at QuizOver.com:

Question: [The coronary arteries branch off of the OpenStax College Anatomy](#)

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4.1.19. Which of the following statements is true?

Author: OpenStax College

Which of the following statements is true?

Please choose only one answer:

- The left and right common carotid arteries both branch off of the brachiocephalic trunk.
- The brachial artery is the distal branch of the axillary artery.
- The radial and ulnar arteries join to form the palmar arch.
- All of the above are true.

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4.1.20. Arteries serving the stomach, pancreas, and liver all branch from t...

Author: OpenStax College

Arteries serving the stomach, pancreas, and liver all branch from the _____.

Please choose only one answer:

- superior mesenteric artery
- inferior mesenteric artery
- celiac trunk
- splenic artery

Check the answer of this question online at QuizOver.com:

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4.1.21. The right and left brachiocephalic veins _____.

Author: OpenStax College

The right and left brachiocephalic veins _____.

Please choose only one answer:

- drain blood from the right and left internal jugular veins
- drain blood from the right and left subclavian veins
- drain into the superior vena cava
- all of the above are true

Check the answer of this question online at QuizOver.com:

Question: [The right and left brachiocephalic veins OpenStax College Anatomy](#)

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4.1.22. The hepatic portal system delivers blood from the digestive organs ...

Author: OpenStax College

The hepatic portal system delivers blood from the digestive organs to the _____.

Please choose only one answer:

- liver
- hypothalamus
- spleen
- left atrium

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Question: [The hepatic portal system delivers blood OpenStax College Anatomy](#)

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4.1.23. Blood islands are _____.

Author: OpenStax College

Blood islands are _____.

Please choose only one answer:

- clusters of blood-filtering cells in the placenta
- masses of pluripotent stem cells scattered throughout the fetal bone marrow
- vascular tubes that give rise to the embryonic tubular heart
- masses of developing blood vessels and formed elements scattered throughout the embryonic disc

Check the answer of this question online at QuizOver.com:

Question: [Blood islands are . OpenStax College Anatomy Physiology 20: Vessels](#)

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4.1.24. Which of the following statements is true?

Author: OpenStax College

Which of the following statements is true?

Please choose only one answer:

- Two umbilical veins carry oxygen-depleted blood from the fetal circulation to the placenta.
- One umbilical vein carries oxygen-rich blood from the placenta to the fetal heart.
- Two umbilical arteries carry oxygen-depleted blood to the fetal lungs.
- None of the above are true.

Check the answer of this question online at QuizOver.com:

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4.1.25. The ductus venosus is a shunt that allows _____.

Author: OpenStax College

The ductus venosus is a shunt that allows _____.

Please choose only one answer:

- fetal blood to flow from the right atrium to the left atrium
- fetal blood to flow from the right ventricle to the left ventricle
- most freshly oxygenated blood to flow into the fetal heart
- most oxygen-depleted fetal blood to flow directly into the fetal pulmonary trunk

Check the answer of this question online at QuizOver.com:

Question: [The ductus venosus is a shunt that allows OpenStax College Anatomy](#)

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