

Practice questions:
Blood vessels and pressure

Key: A. Arteries B. Capillaries C. Veins

1. ___ The exchange of nutrients and wastes between the blood and tissues occurs through the wall of which type of vessel?
2. ___ Skeletal muscle contraction and changes in intrathoracic pressure strongly influence the movement of fluid through this type of vessel.
3. ___ Blood flow into these vessels is fine tuned via autoregulation.
4. ___ These vessels contain valves to aid in the flow of blood.
5. ___ This vessel would have the lowest blood pressure and the slowest flowing blood.
6. ___ This vessel has the largest lumen and can act as a blood reservoir.
7. ___ This vessel has the most muscle and elastic tissue in its wall.

Key: A. Increases blood pressure B. Decreases blood pressure

8. ___ High levels of carbon dioxide in the blood.
9. ___ Atrial natriuretic factor
10. ___ Angiotensin II
11. ___ An increase in the length of a blood vessel.
12. ___ An increase in the number of red blood cells.

Answers: 1. (B) 2. (C) 3. (B) 4. (C) 5. (B) 6. (C) 7. (A) 8. (A) 9. (B) 10. (A) 11. (A) 12. (A)