

Circulatory system

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. Red blood cells carry oxygen attached to —
a. the plasma membrane. c. iron.
b. hemoglobin. d. the nucleus.
- _____ 2. At the site of a wound, a web forms that eventually facilitates the formation of a scab. What is this web is composed of?
a. Red blood cells c. Fibrin
b. White blood cells d. Hemoglobin

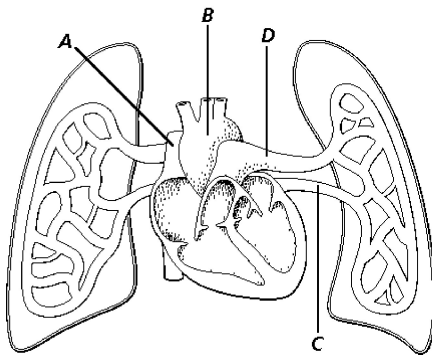


Figure 37-5

- _____ 3. Why is blood pumped through D before B in Figure 37-5?
a. to enrich it with blood cells c. to enrich it with carbon dioxide
b. to enrich it with water d. to enrich it with oxygen
- _____ 4. How is the blood located in the vein at C in Figure 37-5 different than the blood in all other veins of the body?
a. it is rich with carbon dioxide c. it doesn't reach the heart
b. it is rich with oxygen d. it doesn't reach the lung
- _____ 5. What is the destination of blood a B in Figure 37-5?
a. the left lung c. the body
b. both lungs d. the heart
- _____ 6. A person with type AB blood requires a blood transfusion. Which of the following types of blood can be given?
a. Type A c. Type O
b. Type B d. All of the above
- _____ 7. Vessels that carry blood away from the heart are called —
a. capillaries. c. veins.
b. arteries. d. cells.
- _____ 8. Oxygen-depleted blood from the body enters which chamber of the heart?
a. Left atrium c. Right ventricle
b. Left ventricle d. Right atrium

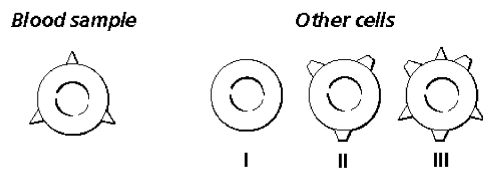


Figure 37-4

- _____ 9. What antibodies does the sample shown in Figure 37-4 have?
- a. B c. both
- b. A d. neither
- _____ 10. Which blood cell can the specimen shown in Figure 37-4 be given with no harm?
- a. II c. I and II
- b. III d. I
- _____ 11. Which type of blood cell can the specimen shown in Figure 37-4 donate to with no harm?
- a. II c. I
- b. III d. all of them

True/False

Indicate whether the statement is true or false.

- _____ 12. The blood in the veins is prevented from flowing backward because of valves in these blood vessels.
- _____ 13. If you have type A blood and anti-A is added during a transfusion, no clumps will form.
- _____ 14. Blood enters the heart through the atria.
- _____ 15. Homeostasis in respiration is controlled by the cerebrum.
- _____ 16. The only veins that carry oxygen-rich blood are the venae cavae.
- _____ 17. Different blood types result from different antibodies being present on the membranes of red blood cells.
- _____ 18. Red blood cells are produced in the spleen.
- _____ 19. Human red blood cells are produced by the liver.
- _____ 20. If you have type B blood, then you have anti-A antibodies in your plasma.

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