

A&P 18

Cardiovascular

System Blood

MCQ

Author: OpenStax College

Published 2014

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4. Chapter: A&P 18 Cardiovascular System Blood MCQ

1. A&P 18 Cardiovascular System Blood MCQ Questions

4.1.1. Which of the following statements about blood is true?

Author: OpenStax College

Which of the following statements about blood is true?

Please choose only one answer:

- Blood is about 92 percent water.
- Blood is slightly more acidic than water.
- Blood is slightly more viscous than water.
- Blood is slightly more salty than seawater.

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

Question: [Which of the following statements about OpenStax College Anatomy](#)

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4.1.2. Which of the following statements about albumin is true?

Author: OpenStax College

Which of the following statements about albumin is true?

Please choose only one answer:

- It draws water out of the blood vessels and into the body's tissues.
- It is the most abundant plasma protein.
- It is produced by specialized leukocytes called plasma cells.
- All of the above are true.

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

Question: [Which of the following statements about OpenStax College Anatomy](#)

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4.1.3. Which of the following plasma proteins is not produced by the liver?

Author: OpenStax College

Which of the following plasma proteins is not produced by the liver?

Please choose only one answer:

- fibrinogen
- alpha globulin
- beta globulin
- immunoglobulin

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

Question: [Which of the following plasma proteins is OpenStax College Anatomy](#)

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4.1.4. Which of the formed elements arise from myeloid stem cells?

Author: OpenStax College

Which of the formed elements arise from myeloid stem cells?

Please choose only one answer:

- B cells
- natural killer cells
- platelets
- all of the above

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

Question: [Which of the formed elements arise from OpenStax College Anatomy](#)

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4.1.5. Which of the following statements about erythropoietin is true?

Author: OpenStax College

Which of the following statements about erythropoietin is true?

Please choose only one answer:

- It facilitates the proliferation and differentiation of the erythrocyte lineage.
- It is a hormone produced by the thyroid gland.
- It is a hemopoietic growth factor that prompts lymphoid stem cells to leave the bone marrow.
- Both a and b are true.

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

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4.1.6. Interleukins are associated primarily with which of the following?

Author: OpenStax College

Interleukins are associated primarily with which of the following?

Please choose only one answer:

- production of various lymphocytes
- immune responses
- inflammation
- all of the above

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

Question: [Interleukins are associated primarily with OpenStax College Anatomy](#)

Flashcards:

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4.1.7. Which of the following statements about mature, circulating erythro...

Author: OpenStax College

Which of the following statements about mature, circulating erythrocytes is true?

Please choose only one answer:

- They have no nucleus.
- They are packed with mitochondria.
- They survive for an average of 4 days.
- All of the above

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

Question: [Which of the following statements about OpenStax College Anatomy](#)

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4.1.8. A molecule of hemoglobin _____.

Author: OpenStax College

A molecule of hemoglobin _____.

Please choose only one answer:

- is shaped like a biconcave disk packed almost entirely with iron
- contains four glycoprotein units studded with oxygen
- consists of four globin proteins, each bound to a molecule of heme
- can carry up to 120 molecules of oxygen

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

Question: [A molecule of hemoglobin . OpenStax College Anatomy Physiology 18](#)

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4.1.9. The production of healthy erythrocytes depends upon the availabilit...

Author: OpenStax College

The production of healthy erythrocytes depends upon the availability of _____.

Please choose only one answer:

- copper
- zinc
- vitamin B12
- copper, zinc, and vitamin B12

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

Question: [The production of healthy erythrocytes OpenStax College Anatomy Quest](#)

Flashcards:

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4.1.10. Aging and damaged erythrocytes are removed from the circulation by ...

Author: OpenStax College

Aging and damaged erythrocytes are removed from the circulation by _____.

Please choose only one answer:

- myeoblasts
- monocytes
- macrophages
- mast cells

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

Question: [Aging and damaged erythrocytes are removed OpenStax College Anatomy](#)

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4.1.11. A patient has been suffering for 2 months with a chronic, watery di...

Author: OpenStax College

A patient has been suffering for 2 months with a chronic, watery diarrhea. A blood test is likely to reveal _____.

Please choose only one answer:

- a hematocrit below 30 percent
- hypoxemia
- anemia
- polycythemia

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

Question: [A patient has been suffering for 2 months OpenStax College Anatomy](#)

Flashcards:

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4.1.12. The process by which leukocytes squeeze through adjacent cells in a...

Author: OpenStax College

The process by which leukocytes squeeze through adjacent cells in a blood vessel wall is called _____.

Please choose only one answer:

- leukocytosis
- positive chemotaxis
- emigration
- cytoplasmic extending

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

Question: [The process by which leukocytes squeeze OpenStax College Anatomy](#)

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4.1.13. Which of the following describes a neutrophil?

Author: OpenStax College

Which of the following describes a neutrophil?

Please choose only one answer:

- abundant, agranular, especially effective against cancer cells
- abundant, granular, especially effective against bacteria
- rare, agranular, releases antimicrobial defensins
- rare, granular, contains multiple granules packed with histamine

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

Question: [Which of the following describes a OpenStax College Anatomy](#)

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4.1.14. T and B lymphocytes _____.

Author: OpenStax College

T and B lymphocytes _____.

Please choose only one answer:

- are polymorphonuclear
- are involved with specific immune function
- proliferate excessively in leukopenia
- are most active against parasitic worms

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

Question: [T and B lymphocytes . OpenStax College Anatomy Physiology 18: Quest](#)

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Interactive Question:

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4.1.15. A patient has been experiencing severe, persistent allergy symptoms...

Author: OpenStax College

A patient has been experiencing severe, persistent allergy symptoms that are reduced when she takes an antihistamine.

Before the treatment, this patient was likely to have had increased activity of which leukocyte?

Please choose only one answer:

- basophils
- neutrophils
- monocytes
- natural killer cells

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

Question: [A patient has been experiencing severe OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/a-patient-has-been-experiencing-severe-openstax-college-anatomy-quest?pdf=1505>

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4.1.16. Thrombocytes are more accurately called _____.

Author: OpenStax College

Thrombocytes are more accurately called _____.

Please choose only one answer:

- clotting factors
- megakaryoblasts
- megakaryocytes
- platelets

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

Question: [Thrombocytes are more accurately called OpenStax College Anatomy](#)

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4.1.17. The first step in hemostasis is _____.

Author: OpenStax College

The first step in hemostasis is _____.

Please choose only one answer:

- vascular spasm
- conversion of fibrinogen to fibrin
- activation of the intrinsic pathway
- activation of the common pathway

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

Question: [The first step in hemostasis is . OpenStax College Anatomy Physiology](#)

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4.1.18. Prothrombin is converted to thrombin during the _____.

Author: OpenStax College

Prothrombin is converted to thrombin during the _____.

Please choose only one answer:

- intrinsic pathway
- extrinsic pathway
- common pathway
- formation of the platelet plug

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

Question: [Prothrombin is converted to thrombin during OpenStax College Anatomy](#)

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4.1.19. Hemophilia is characterized by _____.

Author: OpenStax College

Hemophilia is characterized by _____.

Please choose only one answer:

- inadequate production of heparin
- inadequate production of clotting factors
- excessive production of fibrinogen
- excessive production of platelets

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

Question: [Hemophilia is characterized by . OpenStax College Anatomy Physiology](#)

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4.1.20. The process in which antibodies attach to antigens, causing the for...

Author: OpenStax College

The process in which antibodies attach to antigens, causing the formation of masses of linked cells, is called _____.

Please choose only one answer:

- sensitization
- coagulation
- agglutination
- hemolysis

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

Question: [The process in which antibodies attach to OpenStax College Anatomy](#)

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4.1.21. People with ABO blood type O _____.

Author: OpenStax College

People with ABO blood type O _____.

Please choose only one answer:

- have both antigens A and B on their erythrocytes
- lack both antigens A and B on their erythrocytes
- have neither anti-A nor anti-B antibodies circulating in their blood plasma
- are considered universal recipients

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

Question: [People with ABO blood type O . OpenStax College Anatomy Physiology](#)

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4.1.22. Hemolytic disease of the newborn is a risk during a subsequent preg...

Author: OpenStax College

Hemolytic disease of the newborn is a risk during a subsequent pregnancy in which _____.

Please choose only one answer:

- a type AB mother is carrying a type O fetus
- a type O mother is carrying a type AB fetus
- an Rh+ mother is carrying an Rh- fetus
- an Rh- mother is carrying a second Rh+ fetus

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

Question: [Hemolytic disease of the newborn is a risk OpenStax College Anatomy](#)

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