


Circulatory system multiple choice q

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The heart receives oxygen-deficient blood (see white arrows) from the body to the upper right atrium. When the heart contracts, the right lower ventricle will pump blood into the lungs, where carbon dioxide is exchanged for oxygen. After the exchange, the blood containing fresh oxygen enters the upper left atrium. Oxygen-rich blood (see black arrows) flows from the left upper atrium to the lower left ventricle. When the heart contracts, the left lower ventricle will force blood to the body through a network of arteries. What do you know about your heart? Find out by taking this quiz! The level of the year is one interactive multiple-choice quiz to report this announcement. If you see this message, it means that we are having trouble downloading external resources on our site. If you're behind a web filter, please make sure the domains no.kastatic.org and no.kasandbox.org are unlocked. This set of Life Sciences Multiple Choice and Answers (MC) focuses on the cardiovascular system. 1. The science industry deals with blood, blood tissues and its disorders called \_\_\_\_\_. a) Hemopoiesis b) Cardiovascular System c) Platology d) Hematology View AnswerAnswer: d Explanation: The cardiovascular system consists mainly of three components: blood, heart and blood vessels, while hematology is a branch of science that deals with the study of its blood and blood vessels. 2. A person has an open circular blood system. (a) False Type AnswerAnswer: b Explanation: Human blood system is closed, i.e. blood flow through veins and capillaries and does not come into direct contact with tissues and body cavities. 3. Of the following, which one is not the physical characteristics of the blood? (a) Volume is 15-16 litres on average adult male b) Slightly alkaline pH c) Make up 20% extracellular fluid (d) Provide 8% of total body weight View AnswerAnswer: Explanation: Total 5-6 liters of blood is present in the average adult size of a man, while a human woman contains 4-5 blood liters. 4. Blood helps in transporting the following components, except for one, to determine what? a) Hormone b) Oxygen c) Heat d) Lymphatic kind AnswerAnswer: c Explanation: Lymph has its own capillaries for transportation, it is not transported through the blood. Blood carries oxygen, carbon dioxide, nutrients, waste, heat and hormones. 5. Which of the following is not plasma protein? a) Albumin b) Globulin in) Fibrinogen d) Fibroectin Species AnswerAnswer: d Explanation: Fibronectin is not a plasma protein, but it is an extracellular matrix protein that helps in binding collagen and fibrin. Albumin, globulin and fibrinogen are plasma proteins. 6. What is serum in the blood? (a) Liquid blood b) Plasma minus fibrinogen c) Tissue fluid in the lymphatic vessel d) elements and plasma plasma AnswerAnswer: b Explanation: Plasma serum minus fibrinogen, while plasma is a liquid part of the blood. Lymphatic tissue fluid in lymphatic vessels. 7. What is the term that determines the amount of RBC present in the blood? a) Hemoglobin b) Hemopothesis c) Hematocyte d) Mioglobin View AnswerAnswer: c Explanation: Hematocyte is the percentage of RBC present in the blood, as if the value of hematocrit was 40%, the volume of blood - 40%, occupied by RBC. 8. What is the place of hemopoiesis in the embryo? a) the yolk bag b) The liver c) Thymus d) Spleen View AnswerAnswer: Explanation: Hemopothesis first begins in the egg yolk bag, and then in the liver, spleen, thymus and lymph nodes of the fetus. 9. What is the term given to abnormally low levels of white blood cells? a) Leukocytosis b) Leukopenia c) Lymphocyte d) Thrombopoyetine Species AnswerAnswer: b Explanation: Leucopenia is a condition where the number of white blood cells goes below 5,000/microliter while leukocytosis is an increase in the number of WBC above 10,000 microilit. 10. Name the term given the inability of bone marrow to produce RBC. (a) Aplastic anemia (b) Hemolytic anemia in) Thalassemia d) Hemorrhagic anemia View AnswerAnswer: Explanation: Aplastic anemia is a condition where bone marrow fails to produce RBC or red bone marrow is destroyed by any toxic chemicals or radiation. 11. What type of anemia is the cause of thalassaemia disease? a) aplastic anemia b) Hemolytic anemia c) Hemorrhagic anemia d) iron deficiency anemia View AnswerAnswer: b Explanation: Thalassaemia is a type of hereditary disease in which hemoglobin is not synthesized properly and leads to the destruction of large numbers of red blood cells. 12. Which of the following membranes is responsible for protecting the heart? (a) Epicardia b) Endocardium (c) Miokard d) Pericardium Vid AnswerAnswer: d Explanation: Pericardium surrounds the heart and protects it. It consists of hard, dense, invulnerable and irregular connective tissues. 13. ECG records electrical changes in which the following layers of the heart, mark the correct option. (a) Epicardia b) Pericardium c) Endocard d) Miocard View AnswerAnswer: d Explanation: ECG is an electrocardiogram that detects electrical changes in the heart's myocardial layer. The body fluid contains ions that produce electric current and causes changes in the myocardium. Sanfoundry Global Education - Educational Series - Life Sciences. To practice all areas of life sciences, here's a complete set of 1000 Multiple question-and-answer choices. Participate in the Sanfoundry Certification Competition to receive a free certificate of merit. Join our social networks below and stay up to date with the latest contests, videos, internships and vacancies! Manish Bhojasia, a veteran of technology since 20 years Cisco and Wipro, Founder and CTO in He is a Linux Kernel Developer and SAN Architect and is passionate about developing competencies in these areas. He lives in Bangalore and conducts focused training for IT professionals in Linux Kernel, Linux Debugging, Linux Device Drivers, Linux Networking, Linux Storage, Advanced C Programming, SAN Storage Technologies, SCSI Internals and Storage Protocols such as iSCSI and Fiber Channel. 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