# Chapter 18: The Cardiovascular System: The Heart

- Without SA node input, what would the heart rate be?
  - a. 50 beats per minute
  - b. 75 beats per minute
  - c. 100 beats per minute
  - d. The heart would not beat
- 2. Cardiac Muscle Tissue is found in which layer of the heart?
  - a. Endocardium
  - b. Myocardium
  - c. Epicardium
  - d. Pericardium
- 3. Which blood vessels leave the heart and transport blood to the lungs?
  - a. Venae cavae
  - b. Aorta
  - c. Pulmonary arteries
  - d. Pulmonaru veins
- 4. Of the following, what is the best definition of arteries?
  - Carry oxygenated blood
  - b. Carry blood away from the heart
  - c. Carry deoxygenated blood
  - d. Carry blood towards the heart
- Blood is prevented from flowing back into the left ventricle by the\_\_
  - a. Aortic semilunar valve
  - b. Tricuspid valve
  - c. Pulmonary semilunar valve
  - d. Mitral valve
- 6. Blood being pumped out of the left ventricle enters the\_\_
  - a. Pulmonary artery

# **Anatomy Cardiovascular System Answers**

**Jicheng Xie** 

#### **Anatomy Cardiovascular System Answers:**

Examination Questions and Answers in Basic Anatomy and Physiology Martin Caon, 2020-08-03 This third edition provides 2900 multiple choice questions on human anatomy and physiology and some biophysical science separated into 20 chapters and 68 categories In addition there are 64 essay topics. The answer to each guestion is accompanied by an explanation Each chapter has an introduction to set the scene for the questions to come However not all possible information is provided within these Introductions so an Anatomy and Physiology textbook is an indispensable aid to understanding the answers The textbook offers a more holistic approach to the subjects of anatomy and physiology by also including biomechanics biophysics and biochemistry The questions have been used in end of semester examinations for undergraduate anatomy and physiology courses and as such reflect the focus of these particular courses and are pitched at this level to challenge students that are beginning their training in anatomy and physiology The question and answer combinations are intended for use by teachers to select questions for their next examinations and by students when studying for an upcoming test Students enrolled in the courses for which these questions were written include nursing midwifery paramedic physiotherapy occupational therapy nutrition and dietetics health sciences exercise science and students taking an anatomy and physiology course as an elective NCLEX-PN Review: The Cardiovascular System Peterson's, 2009-12-08 A thorough overview of the cardiovascular system including cardiovascular anatomy cardiac physiology blood composition assessment of the cardiovascular system diagnostic tests for assessment cardiovascular disorders and vascular disorders Also includes practice exercises with detailed answer explanations **Anatomy and Physiology: The Cardiovascular System** Rumi Michael Leigh, The Cardiovascular System Things You Should Know Questions and Answers explains the anatomy physiology and conditions of the cardiovascular system in a question and answer format The book introduces the heart blood and blood vessels describing how the system functions as a closed circuit to circulate blood It explains systole diastole cardiac output and the phases of the cardiac cycle The roles of arteries veins and capillaries are outlined along with how valves pressure differences and muscle activity regulate blood flow Key topics include the composition of blood the function of erythrocytes leukocytes and thrombocytes and the importance of plasma in transporting nutrients and gases The text also covers electrocardiograms hemostasis erythropoiesis and the role of hormones in blood pressure regulation Common cardiovascular conditions are explained such as anemia arrhythmia hypovolemia myocarditis endocarditis hypertension atherosclerosis and angina pectoris This book will interest students health science learners and those studying anatomy and physiology who want to understand the cardiovascular system its functions and related disorders Sandra Smith's Review for NCLEX-RN® Marianne P. Barba, Sandra F. Smith, 2015-04 Sandra Smith s Review for NCLEX RN Thirteenth Edition is a comprehensive and current evidence based RN content review Following the latest NCLEX RN exam blueprint it features 2 500 NCLEX formatted practice questions with detailed answers and rationales that stimulate critical thinking The

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diagnostic and laboratory testing interesting informative and enjoyable BOOK JACKET Title Summary field provided by Blackwell North America Inc All Rights Reserved The Pacemaker and Valve Identification Guide Dryden Phelps Cardiovascular Physiology Concept Hannah Ramirez, 2020-08-23 Cardiovascular Morse, Robert M. Steiner, 1978 Physiology Concept Short Book Description An Introduction to Cardiovascular Physiology provides the student with the key concepts of cardiovascular physiology Cardiovascular Physiology Questions for Self Assessment With Illustrated Answers Cardiovascular Physiology Concept full Book Description Overview of the cardiovascular system The cardiac cycle Cardiac myocyte excitation and contraction Initiation and nervous control of heart beat Electrocardiography and arrhythmias Control of stroke volume and cardiac output Assessment of cardiac output and peripheral pulse Haemodynamics flow pressure and resistance The endothelial cell The microcirculation and solute exchange Circulation of fluid between plasma interstitium and lymph Vascular smooth muscle excitation contraction and relaxation Control of blood vessels I Intrinsic control Control of blood vessels II Extrinsic control by nerves and hormones Specialization in individual circulations Cardiovascular receptors reflexes and central control Co ordinated cardiovascular responses Cardiovascular responses in pathological situations The aim of this collection of over 230 questions is to offer students an element of self assessment as they progress through the companion book or revise for examinations Lecturers may find some of the questions useful as a template when setting questions of their own but should note that the questions are primarily educational in intent their discriminatory power has not been tested The questions are grouped under the same headings as the chapters of the companion textbook so they become progressively more advanced see Contents Occasional statements call for information from later chapters Medically relevant questions are introduced wherever they are appropriate I have set at least one question on each learning objective given at the start of the chapter in the companion volume to help you assess your achievement of the learning objectives Some questions require you to integrate information from other chapters too The questions aim to test basic understanding fundamental principles and medical relevance Hopefully they avoid excessive detail always the examiner s easy option The questions Most of the questions are multiple choice questions MCQs generally with five true false statements but occasionally more or less than five Although some educationalists now demand single correct answer questions SAQs one correct answer out of four or five options these test less knowledge so the MCQ style has been retained here To add variety there is a sprinkling of other styles of question such as extended matching questions i e choose the best answer from a list data interpretation problems and little numerical problems that test reasoning power and ability to do simple calculations The answers Each answer is accompanied by a brief explanation and very often an illustrative figure which should help if you got the answer wrong Most of the figures are from the accompanying textbook but there are also new explanatory diagrams after some questions It is sometimes difficult to avoid ambiguity in MCQ questions so use your common sense choose the answer that will be right most of the time rather than a remote rare possibility Nevertheless if you disagree with the official

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