

Pdf free Anatomy and physiology chapter 11 the cardiovascular system answer key (PDF)

function the main function of the circulatory or cardiovascular system is to deliver oxygen to the body tissues whilst simultaneously removing carbon dioxide produced by metabolism oxygen is bound to molecules called haemoglobin that are on the surface of the red blood cells in the blood 11 the cardiovascular system the heart there is no single better word to describe the function of the heart other than pump since its contraction develops the pressure that ejects blood into the major vessels the aorta and anatomy heart structure importance cardiac cycle diseases aging summary the cardiovascular system consists of the heart blood vessels and blood its primary function is to transport key terms the circulatory system is a network consisting of blood blood vessels and the heart this network supplies tissues in the body with oxygen and other nutrients transports hormones and removes unnecessary waste products the function of the cardiovascular system is to make sure your body gets the oxygen nutrients and other things it needs and gets rid of things it doesn't day and night even while you're asleep your heart moves blood through your body this is why your healthcare provider can hear your heartbeat it's the sound of your heart doing its job circulatory system the circulatory system cardiovascular system pumps blood from the heart to the lungs to get oxygen the heart then sends oxygenated blood through arteries to the rest of the body the veins carry oxygen poor blood back to the heart to start the circulation process over human cardiovascular system organ system that conveys blood through vessels to and from all parts of the body carrying nutrients and oxygen to tissues and removing carbon dioxide and other wastes it is a closed tubular system in which the blood is propelled by a muscular heart your circulatory system also known as your cardiovascular system is made up of your heart and blood vessels it works to transport oxygen and other nutrients to all the organs and tissues in the circulatory system includes the heart blood vessels and blood 2 the cardiovascular system in all vertebrates consists of the heart and blood vessels the circulatory system is further divided into two major circuits a pulmonary circulation and a systemic circulation 11 1 the cardiovascular system page id sally baldwin activity your heart and breath before you begin this chapter take a moment to feel your heart and your breathing take your pulse count how many times your heart beats in one minute in your wrist hold out one of your hands with your palm facing upwards detail cardiovascular diseases cvds 11 june 2021 key facts cardiovascular diseases cvds are the leading cause of death globally an estimated 17.9 million people died from cvds in 2019 representing 32% of all global deaths of these deaths 85% were due to heart attack and stroke cardiovascular disease can refer to a number of conditions heart disease heart and blood vessel disease also called heart disease includes numerous problems many of which are related to atherosclerosis atherosclerosis is a condition that develops when a substance called plaque builds up in the walls of the arteries 11 1 describe the roles of agonists antagonists and synergists 11 2 explain the organization of muscle fascicles and their role in generating force 11 3 explain the criteria used to name skeletal muscles chapter 11 the cardiovascular system 357 11 flanked on each side by the lungs figure 11 1 its pointed apex is directed toward the left hip and rests on the diaphragm approximately at the level of the fifth intercostal space this is exactly where one would place a stethoscope to count the heart rate for an individual the download

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