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muscular system functions include mobility stability posture circulation and more muscles allow a person to move speak and chew they control heartbeat breathing and the muscular system is a set of tissues in the body with the ability to change shape muscle cells connect together and eventually to elements of the skeletal system when the muscle cells contract force is created as the muscles pull against the skeleton human muscle system the muscles of the human body that work the skeletal system that are under voluntary control and that are concerned with movement posture and balance the primary job of muscle is to move the bones of the skeleton but muscles also enable the heart to beat and constitute the walls of other important hollow organs what are muscles muscles are pieces of soft tissue throughout your body they help you do everything from holding your body still to running a marathon muscles also move and support your organs your heart is a hard working muscle that beats thousands of times a day to keep you alive musculoskeletal system overview of the anatomy function and main structures of the muscular system the musculoskeletal system locomotor system is a human body system that provides our body with movement stability shape and support the muscular system is a complex network of muscles vital to the human body muscles play a part in everything you do they control your heartbeat and breathing help digestion and allow the muscular system is an organ system consisting of skeletal smooth and cardiac muscle it permits movement of the body maintains posture and circulates blood throughout the body the muscular systems in vertebrates are controlled through the nervous system although some muscles such as the cardiac muscle can be how your muscular system works emma bryce youtube ted ed 20m subscribers subscribed 32k 2 5m views 6 years ago check out our patreon page teded view full lesson the muscular system is responsible for functions such as maintenance of posture locomotion and control of various circulatory systems muscle tissue can be divided functionally voluntarily or involuntarily controlled and morphologically striated or non striated in the musculoskeletal system the muscular and skeletal systems work together to support and move the body the bones of the skeletal system serve to protect the body s organs support the weight of the body and give the body shape the musculoskeletal system also known as the human locomotor system is the framework of the body it is controlled by the nervous system and comprised of bones muscles joints and the many connective tissues that bind them together among its many important functions the musculoskeletal system gives your body shape 5 facts about human muscles an overview of muscles and how they move what do the muscles throughout the body do at the simplest level muscles allow us to move smooth muscle and cardiac muscle move to facilitate body functions like heartbeats and digestion muscle types there are three types of muscle tissue visceral cardiac and skeletal visceral muscle visceral muscle is found inside of organs like the stomach intestines and blood vessels the weakest of all muscle tissues visceral muscle makes organs contract to move substances through the organ the muscular system consists of all the muscles of the body the largest percentage of muscles in the muscular system consists of skeletal muscles which are attached to bones and enable voluntary body movements main muscles of the muscular system sources show all main bones of the skeletal system we ll begin by looking at the skeletal system as the name implies the structural and functional unit is bone a highly specialized and hard connective tissue bones can be classified according to two major criteria yielding different types of bones the muscular system can be broken down into three types of muscles skeletal smooth and cardiac the muscles in the body support movement help maintain posture and circulate blood and the muscular system is the biological system of humans that produces movement the muscular system in vertebrates is controlled through the nervous system although some muscles like cardiac muscle can be completely autonomous learn about the human muscular system and how it works learn about classes of muscles types of muscles tendons and superficial muscles the muscular system is an organ system responsible for providing strength keeping up the balance maintaining posture allowing movement and producing heat it includes all the muscle tissues such as the skeletal muscle tissues smooth muscle tissues and cardiac muscle tissues

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