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structure of the body composed of two or more tissue types each organ performs one or more specific physiological functions an organ system is a group of organs that work together to perform major functions or meet physiological needs of the body at a high level the brain can be divided into the cerebrum brainstem and cerebellum cerebrum the cerebrum front of brain comprises gray matter the cerebral cortex and white matter at its center the largest part of the brain the cerebrum initiates and coordinates movement and regulates temperature overview of the structure of the kidney kidney ren 1 3 synonyms none the kidneys are bilateral organs placed retroperitoneally in the upper left and right abdominal quadrants and are part of the urinary system characteristic of the vertebrate form the human body has an internal skeleton with a backbone and as with the mammalian form it has hair and mammary glands learn more about the composition form and physical adaptations of the human body it is convenient to consider the structures of the body in terms of fundamental levels of organization that increase in complexity subatomic particles atoms molecules organelles cells tissues organs organ systems organisms and biosphere figure 1 figure 1 levels of structural organization of the human body the nervous system can be divided into two major regions the central and peripheral nervous systems the central nervous system cns is the brain and spinal cord and the peripheral nervous system pns is everything else figure 12 2 health tips what is the skeletal system the human skeletal system consists of all of the bones cartilage tendons and ligaments in the body altogether the skeleton makes up about 20 a mitochondrion plural mitochondria is an organelle in plants animals and fungi that produces chemical energy for cells mitochondria are the powerhouses of the cell a chemical structure of a molecule is a spatial arrangement of its atoms and their chemical bonds its determination includes a chemist s specifying the molecular geometry and when feasible and necessary the electronic structure of the target molecule or other solid the ear is anatomically divided into three portions external ear middle ear internal ear this mixture of bones nerves vessels membranes and muscles that make up the ear will be described in this article contents external ear auricle external acoustic meatus tympanic membrane muscles of the external ear vasculature of the external ear reviewed revised mar 2022 modified sep 2022 view professional version the structures and functions of the eyes are complex each eye constantly adjusts the amount of light it lets in focuses on

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