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human skeleton the internal skeleton that serves as a framework for the body this framework consists of many individual bones and cartilages there also are bands of fibrous connective tissue the ligaments and the tendons in intimate relationship with the parts of the skeleton the adult human has two hundred and six bones there are several types of bones that are grouped together due to their general features such as shape placement and additional properties they are usually classified into five types of bones that include the flat long short irregular and sesamoid bones the skeleton of an adult human is made up of 206 bones of many different shapes and sizes added together your bones make up about 15 of your body weight newborn babies are actually born with many more bones than this around 300 but many bones grow together or fuse as babies become older the human skeleton is the internal framework of the human body it is composed of around 270 bones at birth this total decreases to around 206 bones by adulthood after some bones get fused together 1 adults have between 206 and 213 bones you use all of them each day to sit stand and move your bones also protect your internal organs and give your body its shape bones are usually self sufficient at maintaining themselves but health conditions like osteoporosis can make you more likely to break bones or have other complications the 206 bones include 80 axial bones this includes the skull hyoid auditory ossicles vertebral column ribs and sternum 126 appendicular bones this includes arms shoulders wrists hands legs hips ankles and feet what are the functions of bones bones give shape and support for the body they give protection to some organs skeletal system anatomy the skeletal system in an adult body is made up of 206 individual bones these bones are arranged into two major divisions the axial skeleton and the appendicular skeleton the axial skeleton runs along the body's midline axis and is made up of 80 bones in the following regions skull hyoid auditory ossicles ribs skeletal system overview axial anatomy diagram appendicular anatomy function conditions health tips what is the skeletal system the human skeletal system consists of all of the bones the adult human skeleton is made up of 206 bones these bones provide structure and protection and facilitate motion bones articulate to form structures the skull protects the brain and gives shape to the face the thoracic cage surrounds the heart and lungs the vertebral column commonly called the spine is formed by over 30 small bones bone rigid body tissue consisting of cells embedded in an abundant hard intercellular material bone tissue makes up the individual bones of the skeletons of vertebrates its two principle components are collagen and calcium phosphate learn more about the composition and function of bone the skeletal system comprises 206 bones and has two main parts the axial skeleton and the appendicular skeleton the skeletal system includes your bones ligaments that attach bone to bone and cartilage that provides padding between your bones overview what is the skeletal system the skeletal system gives your body its shape and holds your organs in place in the simplest terms your skeletal system is your body's most important support structure but it's more than just your skeleton and bones a bone is a rigid organ 1 that

constitutes part of the skeleton in most vertebrate animals bones protect the various other organs of the body produce red and white blood cells store minerals provide structure and support for the body and enable mobility

summary bones form the scaffolding that hold the body together and allow it to move they also help protect vital organs store minerals and provide an environment for creating bone internal structure of a human long bone with a magnified cross section of the interior the central tubular region of the bone called the diaphysis flares outward near the end to form the metaphysis which contains a largely cancellous or spongy interior

6 3 bone structure anatomy physiology learning objectives by the end of this section you will be able to describe the microscopic and gross anatomical structures of bones identify the gross anatomical features of a bone describe the histology of bone tissue including the function of bone cells and matrix

skeletal system the skeletal system gives the body its basic framework providing structure protection and movement the 206 bones in the body also produce blood cells store important there are a total of 206 bones in the adult human body they range in size from the tiniest found in the middle ear to the largest that forms our thigh the human body has an amazing array of different bones many of which you can find on yourself or on a skeleton list of bones of the human skeleton part of a series of lists about human anatomy general structures muscles see also

v t e the human skeleton of an adult usually consists of around 206 bones depending on the counting of sternum which may alternatively be included as the manubrium body of sternum and the xiphoid process 1

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adults have between 206 and 213 bones you use all of them each day to sit stand and move your bones also protect your internal organs and give your body its shape bones are usually self sufficient at maintaining themselves but health conditions like osteoporosis can make you more likely to break bones or have other complications

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the 206 bones include 80 axial bones this includes the skull hyoid auditory ossicles vertebral column ribs and sternum 126 appendicular bones this includes arms shoulders wrists hands legs hips ankles and feet what are the functions of bones bones give shape and support for the body they give protection to some organs

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