

HUMAN BODY: SKELETAL SYSTEM

Human Body: Skeletal System

Made up of bone and cartilage, the human skeletal system has many important functions, including support, movement, protection of internal organs, blood cell production, and mineral storage.

Skeleton

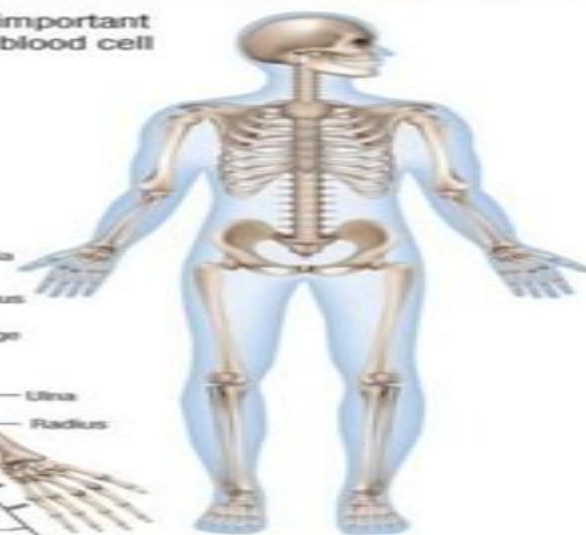
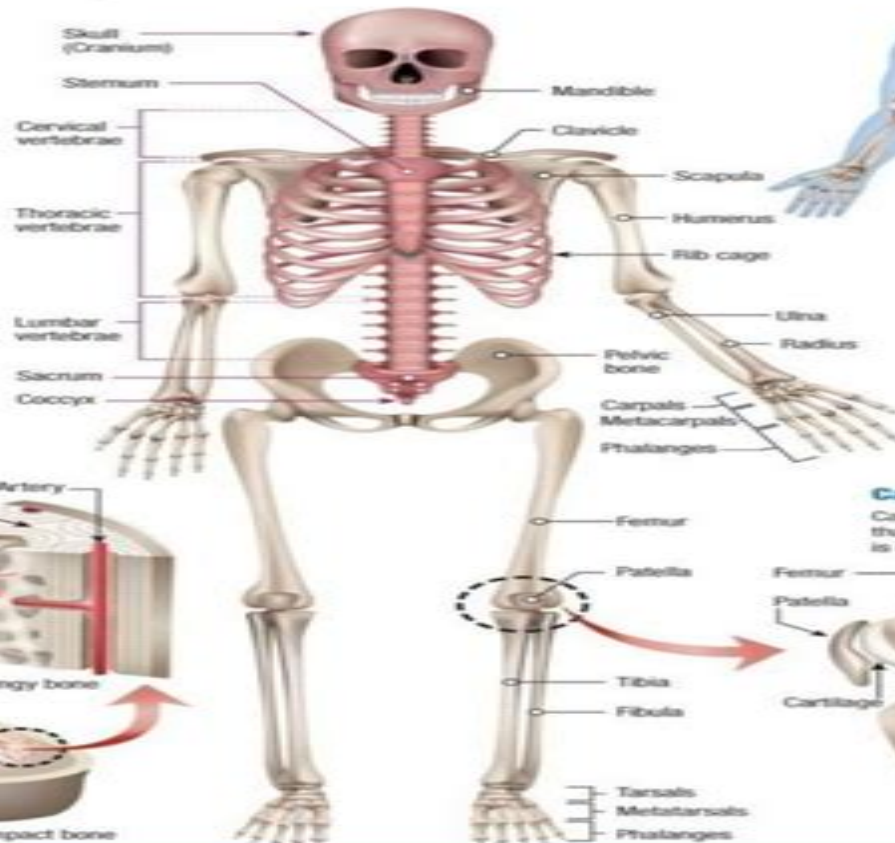
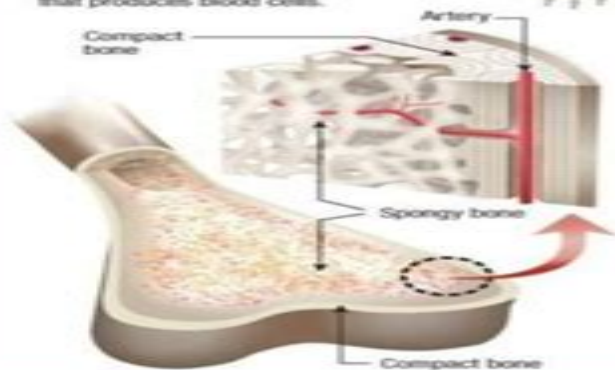
The adult human body has 206 bones and can be divided into 2 parts—the axial skeleton and the appendicular skeleton.

The **axial skeleton** (highlighted in red) includes bones of the skull, vertebral column, ribs, sternum, sacrum, and coccyx, totaling 80 bones.

The **appendicular skeleton** includes the 126 bones of the shoulders, pelvis, and upper and lower extremities.

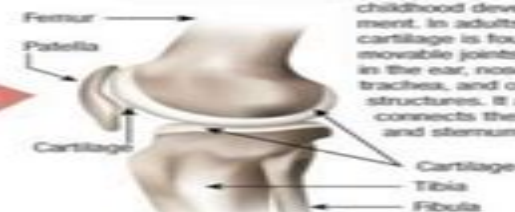
Bone Tissue

There are 2 types of bone tissue. **Compact bone** is hard, dense, mineralized tissue that gives bone its strength. It usually surrounds spongy bone tissue. **Spongy bone** is a porous layer of tissue that makes bone lightweight. Its spaces usually contain blood vessels and bone marrow, a soft tissue that produces blood cells.



Cartilage

Cartilage is a flexible connective tissue that forms the embryonic skeleton. Most is ossified into bone during fetal and childhood development. In adults, cartilage is found at movable joints, and in the ear, nose, trachea, and other structures. It also connects the ribs and sternum.



Anatomy And Physiology The Skeletal System Packet

**American Academy of Orthopaedic
Surgeons (AAOS)**



Anatomy And Physiology The Skeletal System Packet:

Teacher Support Pack Andy Mawdsley, Lucy Howes, 2004 Designed to assist the teacher in the planning and delivery of classes this resource pack provides a helpful source of advice and will save you hours of preparation time Includes support material for each of the 20 units Resources in Education, 1998 **Anatomy and Physiology Workbook For Dummies** Janet Rae-Dupree, Pat DuPree, 2007-12-05 An excellent primer for learning the human body An anatomy and physiology course is required for medical and nursing students as well as for others pursuing careers in healthcare Anatomy Physiology Workbook For Dummies is the fun and easy way to get up to speed on anatomy and physiology facts and concepts This hands on workbook provides students with useful exercises to practice identifying specific muscle groups and their functions memory exercises as well as diagrams and actual demonstrations that readers can personally enact to illustrate the concepts

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