



DEPARTMENT OF FOREIGN LANGUAGE

Human skeleton

Faculty: General medicine

Group: 022-1k

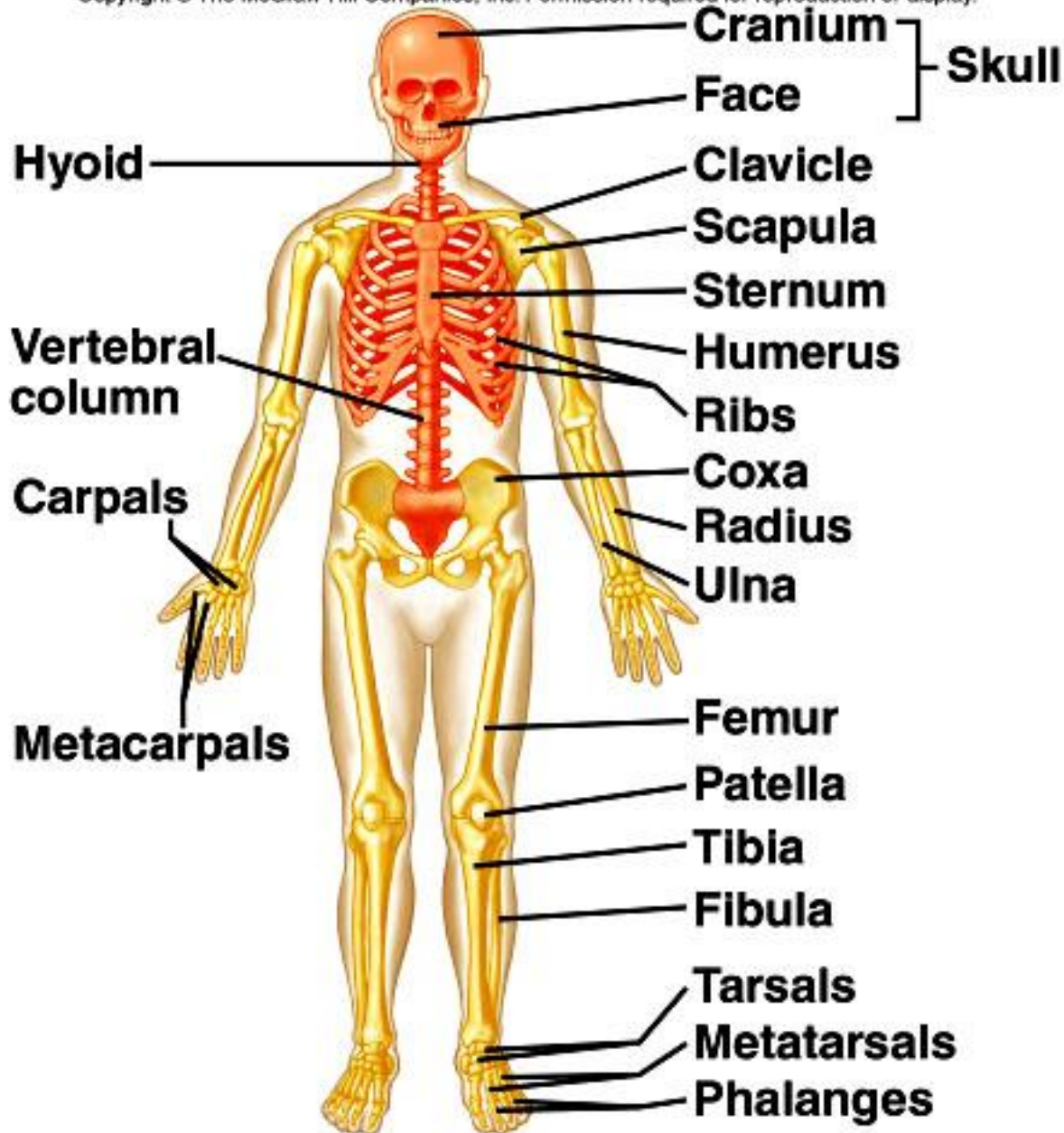
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What is the human skeleton?

The skeleton (from Greek skeletos "dried up") is the body part that forms the supporting structure of an organism.



The Skeletal System

Parts of the skeletal system:

- *Bones (skeleton)*
- *Joints*
- *Cartilages*
- *Ligaments (bone to bone)(tendon=bone to muscle)*

Bones of the Human Body

- The skeleton has **206** bones
- Two basic types of bone tissue

Compact bone

- Homogeneous

Spongy bone

- Small needle-like pieces of bone
- Many open spaces

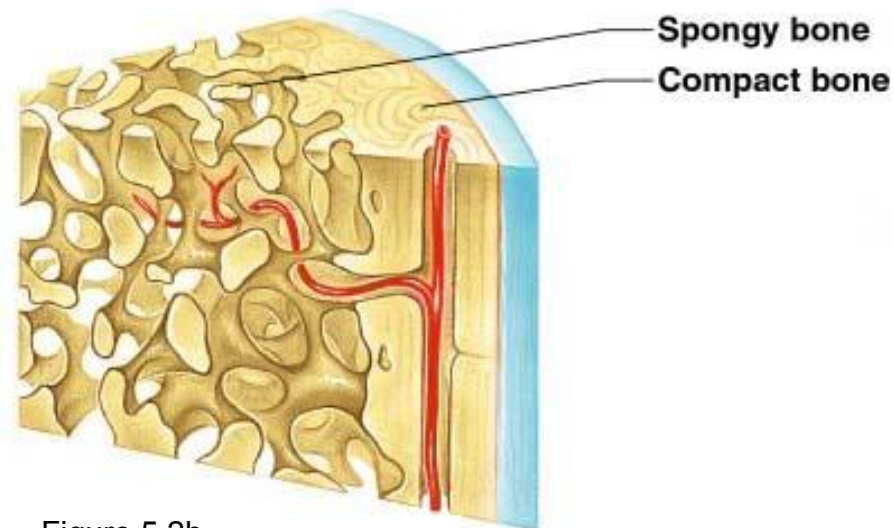

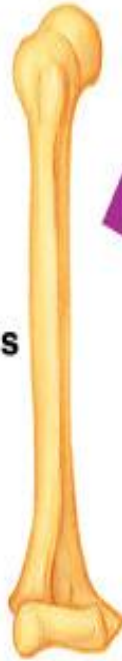


Figure 5.2b

Bones are classified by their shape:

1. **Long-** bones are longer than they are wide (arms, legs)
 2. **Short-** usually square in shape, cube like (wrist, ankle)
 3. **Flat-** flat , curved (skull, Sternum)
 4. **Irregular-** odd shapes (vertebrae, pelvis)
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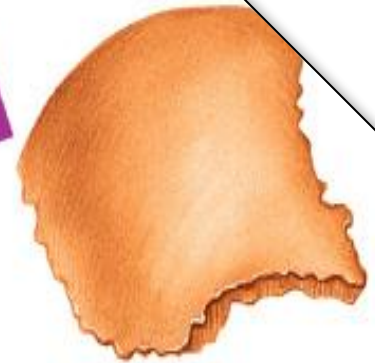
(a) Long bone
(e.g., humerus
of arm)



(b) Short bones
(e.g., carpals
of wrist)



(c) Flat bone
(e.g., parietal
bone of skull)



(d) Irregular bone
(e.g., vertebra)



The Axial Skeleton

Divided into three parts

- ***Skull***
- ***Vertebral Column***
- ***Rib Cage***

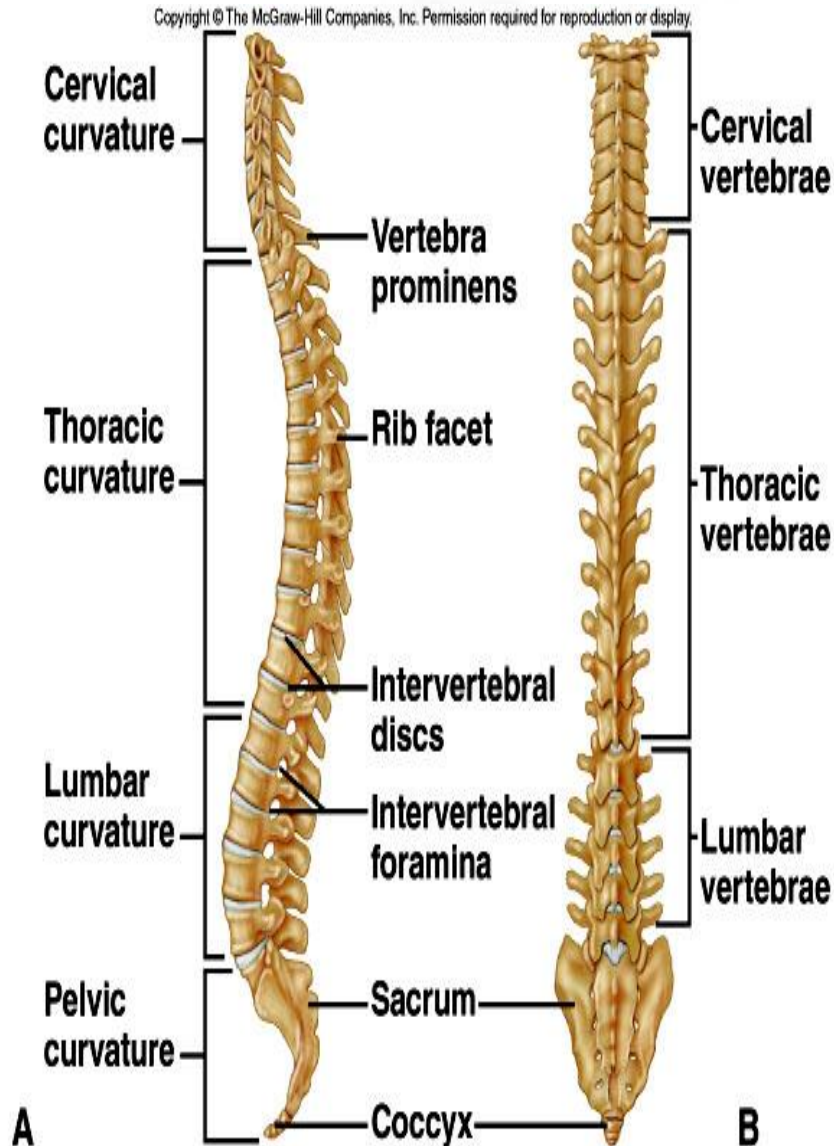


The Skull



The bones of the skull consist of *cranial* and *facial* parts. There are 26 bones in the skull.

The Vertebral Column

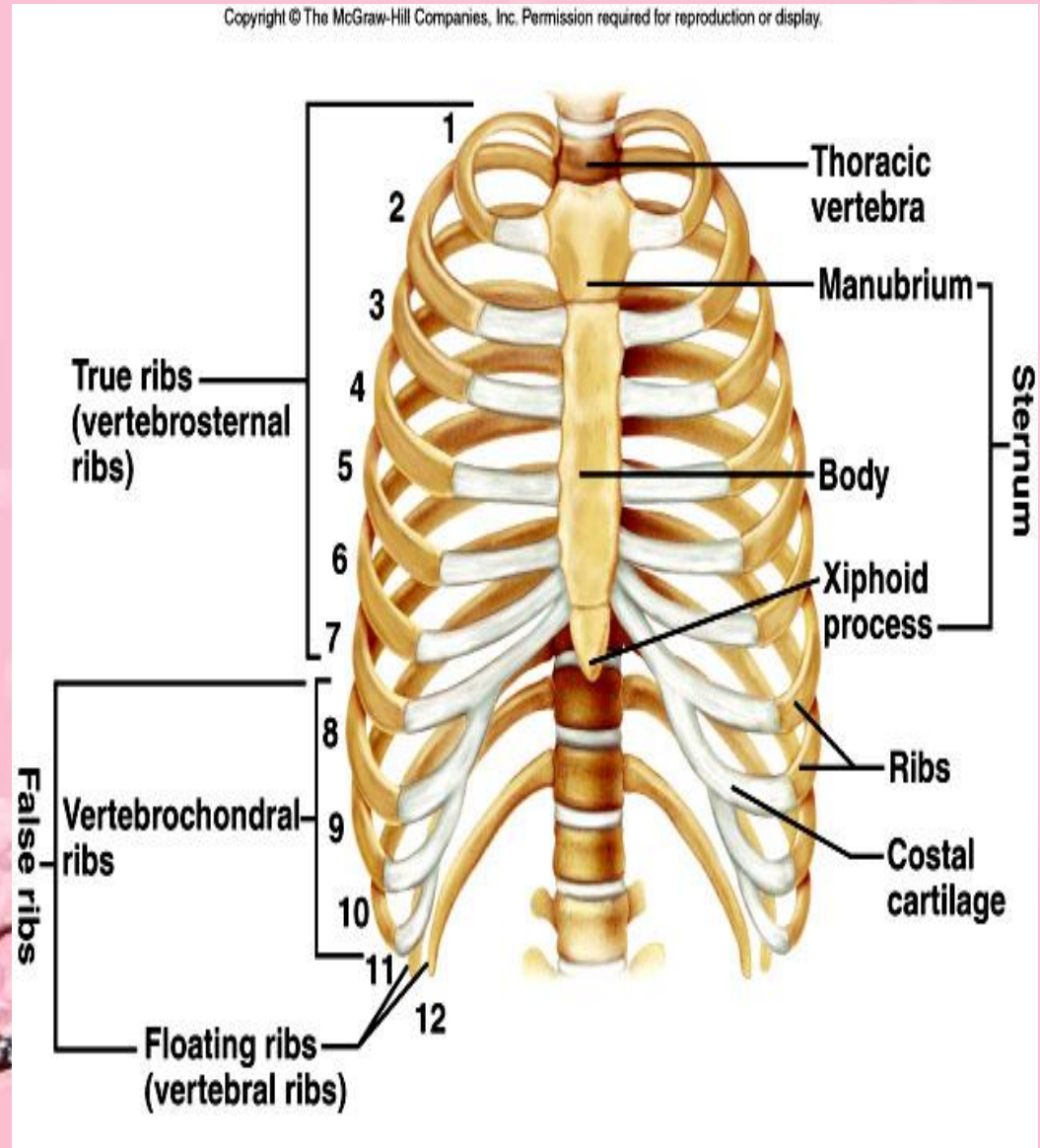


In the spinal column there are 7 cervical vertebrae, 12 thoracic vertebrae, 5 lumbar, 5 sacral vertebrae and 4-5 coccyx

There are 32 or 34 vertebrae in the

The Ribs

- True ribs are directly attached to the sternum (first seven pairs)
- Three false ribs are joined to the 7th rib





**THANK YOU FOR
YOUR
ATTENTION**