## Kazakh-Russian medical university

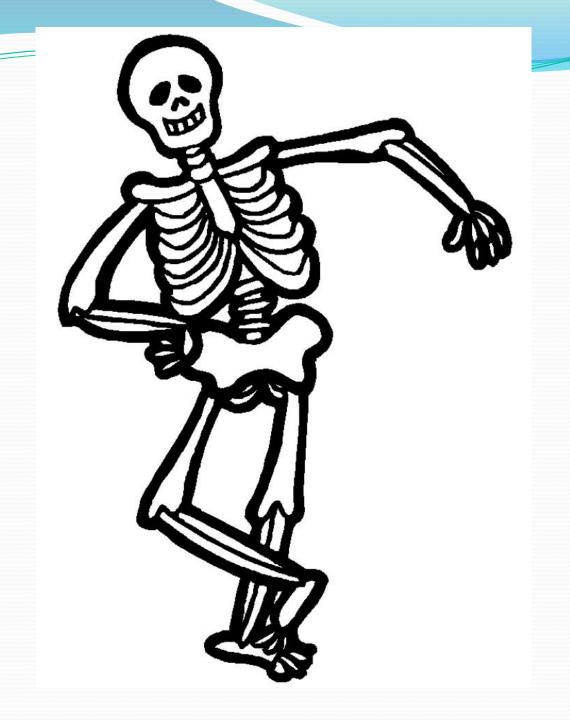
Independent work

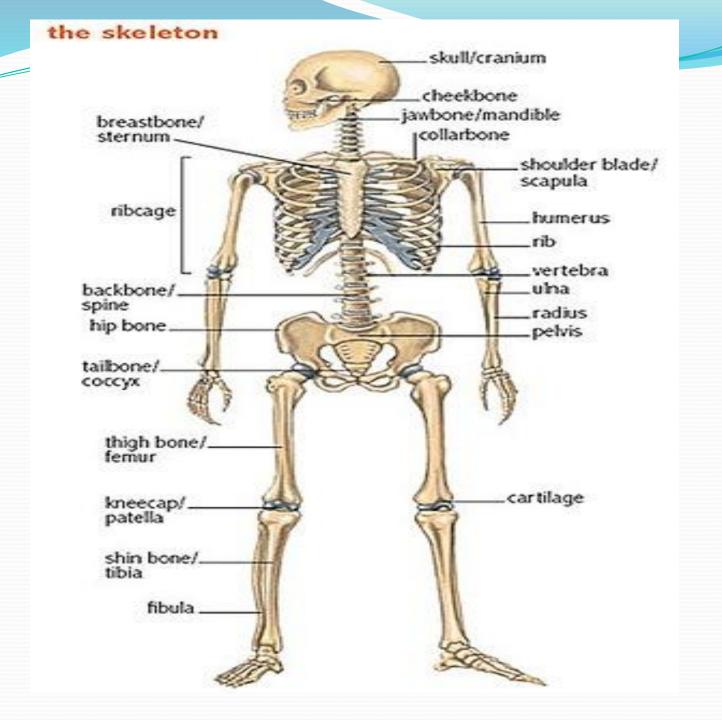
Theme: The Skeleton

**Group:**112<B> GM

**Checked by:** Kakhrimankyzy A.

Almaty 2014

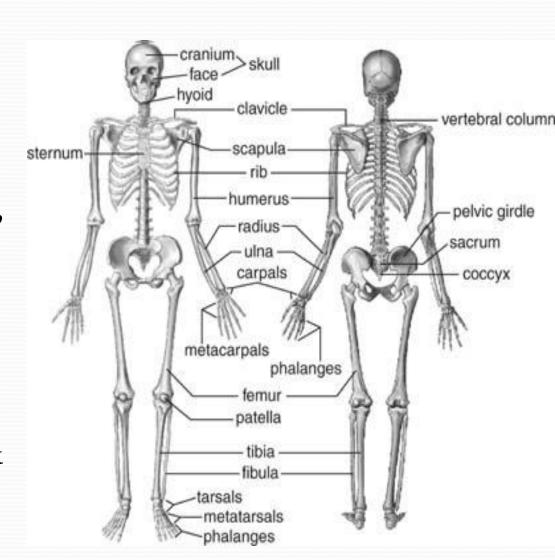




#### Human Skeleton

- **206 Bones**
- Axial skeleton: (80 bones) in skull, vertebrae, ribs, sternum, hyoid bone
- Appendicular Skeleton:

   (126 bones)- upper &
   lower extremities plus
   two girdles
- Half of bones in hands & feet



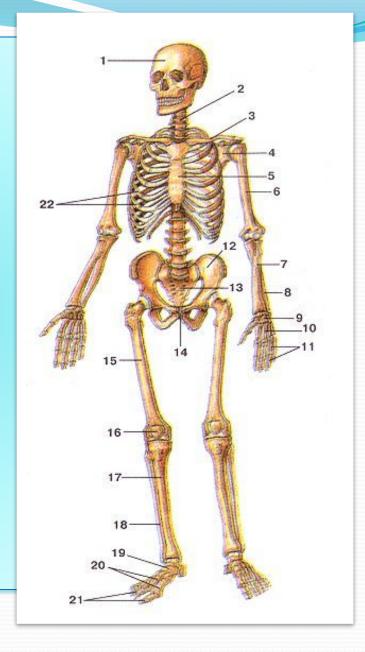
#### Thoracs cage

- Ribs
- Thoracic vertebrae
- Sternum
- Costal cartilages
  - True ribs are directly attached to the sternum (first seven pairs)
    - Three failse ribs are joined to the 7<sup>th</sup> rib.
       Two pairs of floating ribs

22 bones in skull6 in middle ears1 hyoid bone26 in vertebral column25 in thoracic cage

4 in pectoral girdle 60 in upper limbs 60 in lower limbs 2 in pelvic girdle

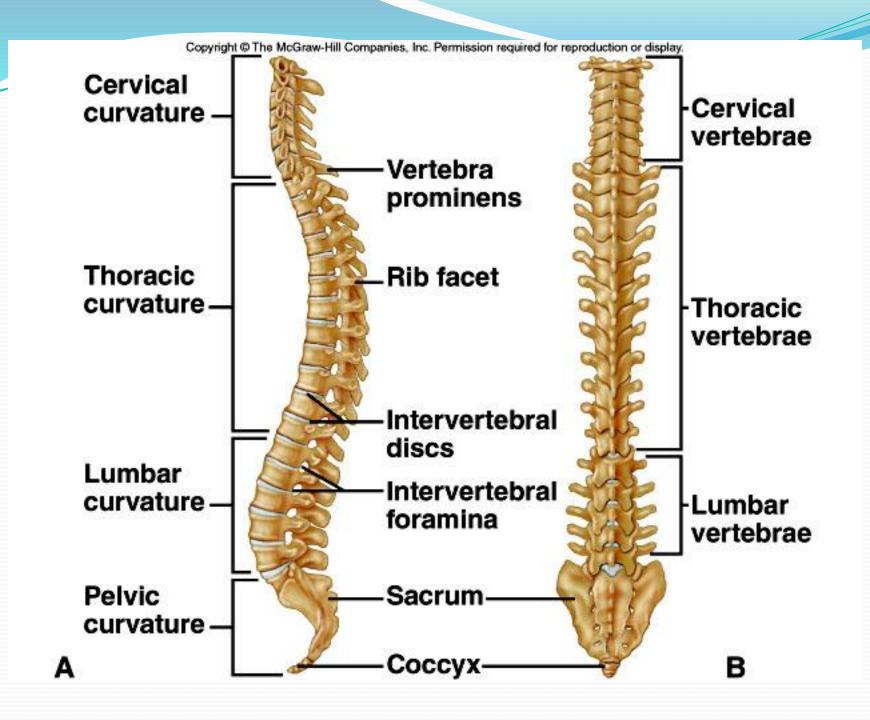
206 bones in all



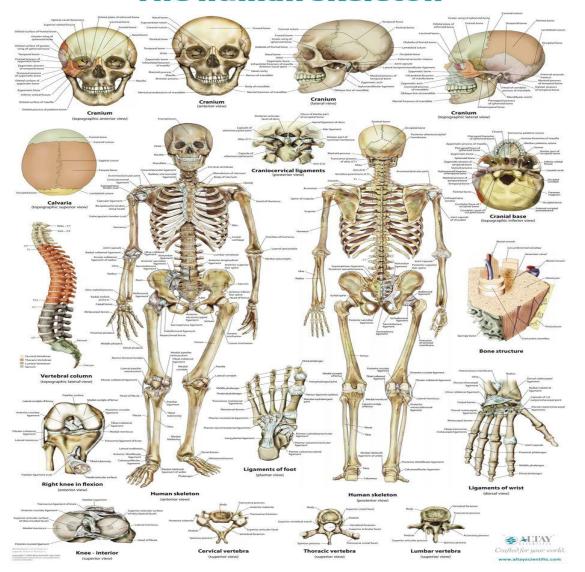
### Vertebral column

- 7 cervial vertebrae
- ☐ 12 thoracic
- ☐ 5 lumbar
- ☐ 1 sacrum (5 fused)
- ☐ 1 coccyx (4 fused)

Vertebrae vary in size and morphology



#### The human skeleton



orbicularis of eye masseter sternocleidomastoid deltoid frontalis

trapezius

external oblique

rectus abdominis

brachioradialis

tensor of fascia lata

adductor longus

sartorius

rectus femoris

vastus medialis

peroneus longus

anterior tibialis

extensor digitorum brevis

pectoralis major
biceps of arm
brachialis
pronator teres
long palmaris
ulnar flexor of wrist

vastus lateralis

short palmaris

gastrocnemius

soleus

extensor digitorum longus

plantar interosseous

# Thanks for attention!