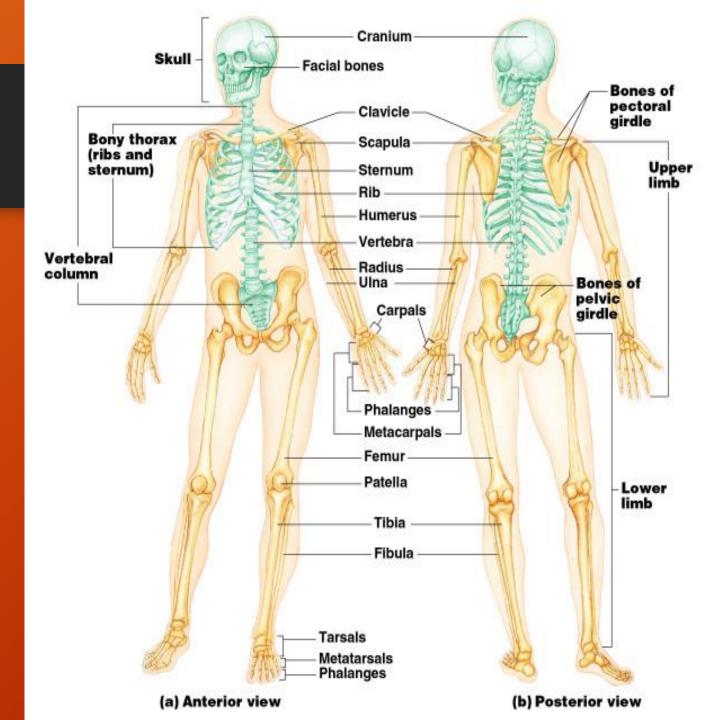
Unit 6 -Appendicular Skeletal Anatomy

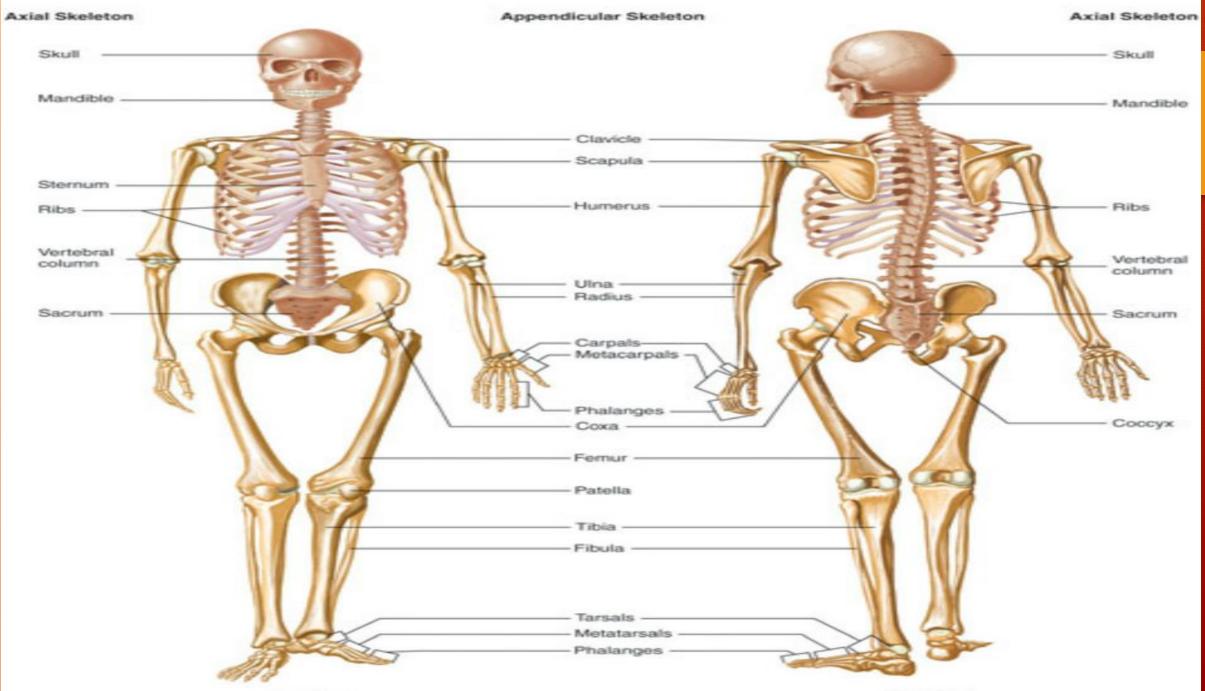
Bone Facts of the Human Body

- The fetal human body has 300 bones
- The adult human body has 206 bones
 - About half of these bones are in your hands and feet
- Humans & Giraffes have the same number of neck bones
- Longest bone in the body = Femur
- Smallest bone in the body = Inner Ear Bones (Hammer, Anvil, Stirrup)

Appendicular Skeleton

- 126 out of 206 bones in the appendicular skeleton
- Contains
 - Limbs (Appendages)
 - Pectoral (Shoulder) Girdle
 - Pelvic (Pelvis) Girdle

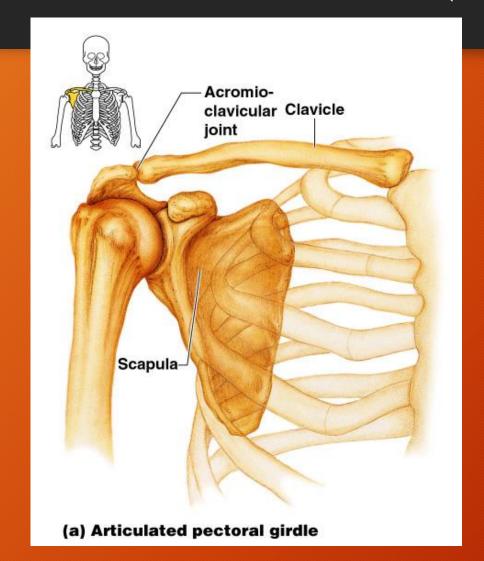


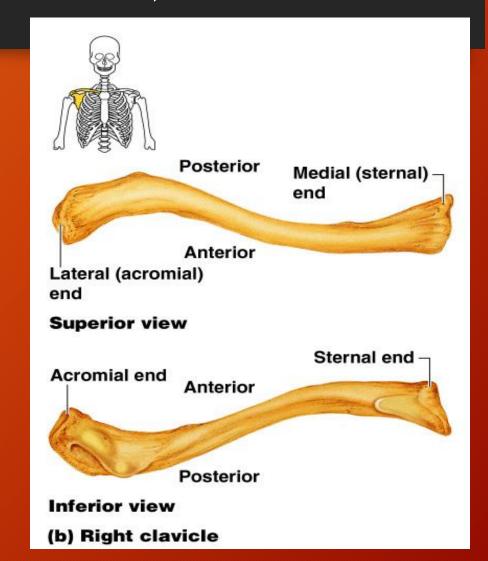


The Pectoral (Shoulder) Girdle

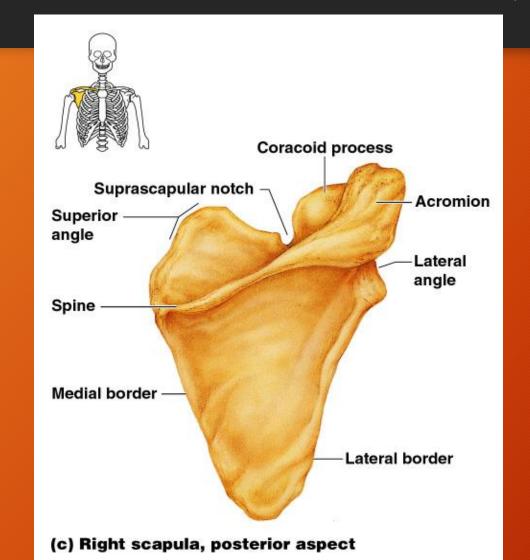
- Composed of 2 bones:
 - Clavicle collarbone
 - Saapula shoulder blade
- These bones allow the upper limb to have exceptionally free movement

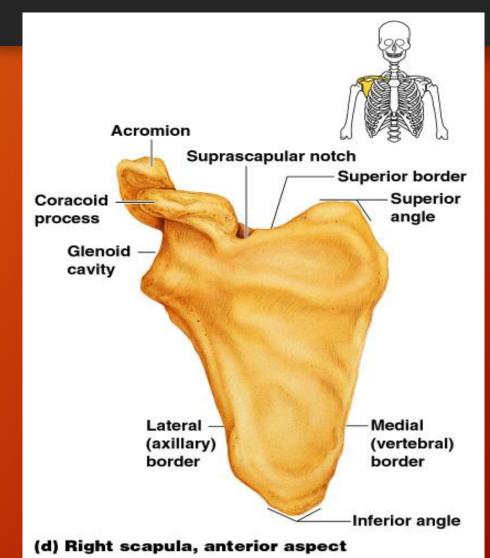
Bones of the Pectoral (Shoulder) Girdle





Bones of the Pectoral (Shoulder) Girdle

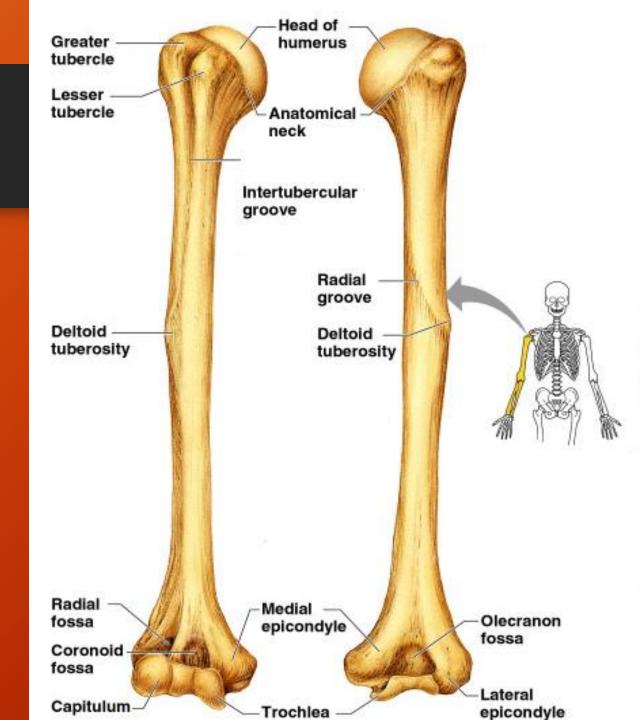


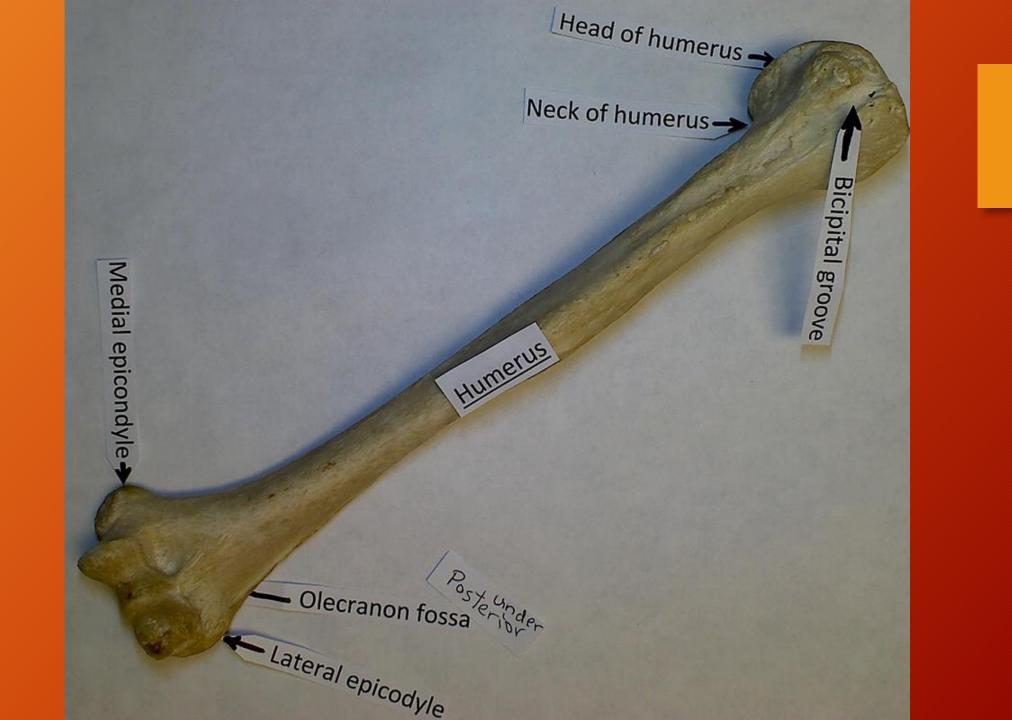




Bones of the Upper Limbs

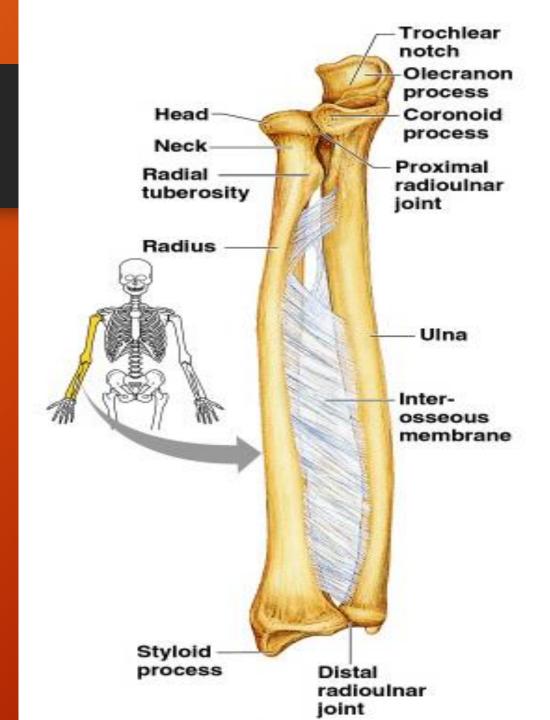
- The arm is formed by a single bone
 - Humerus

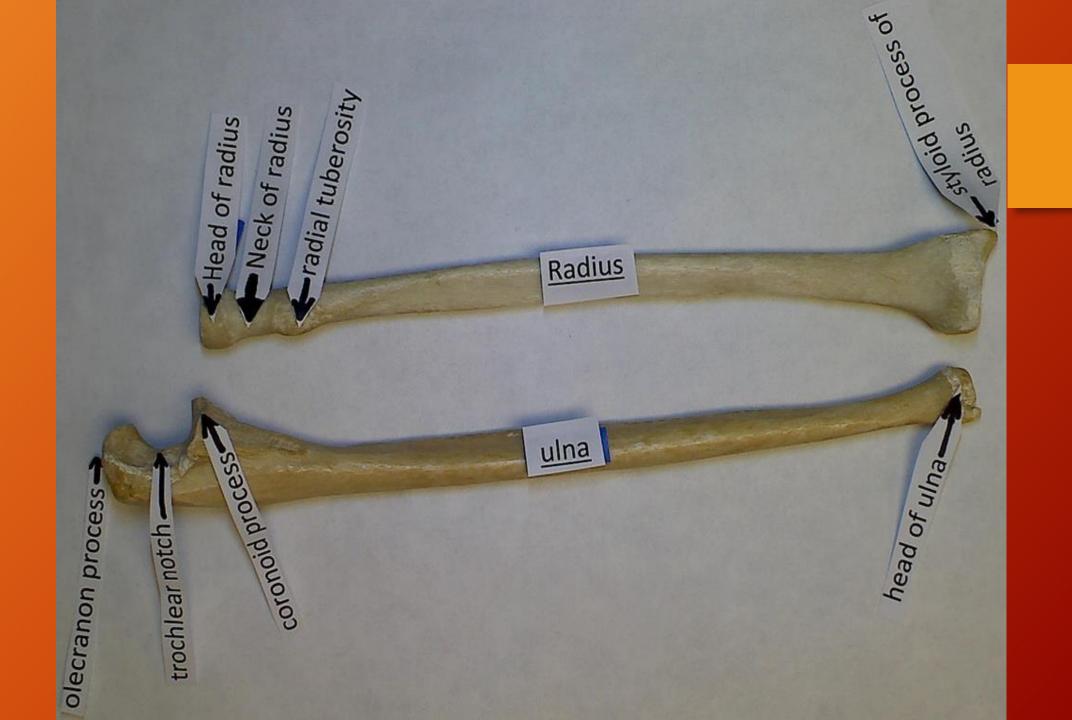




Bones of the Upper Limbs

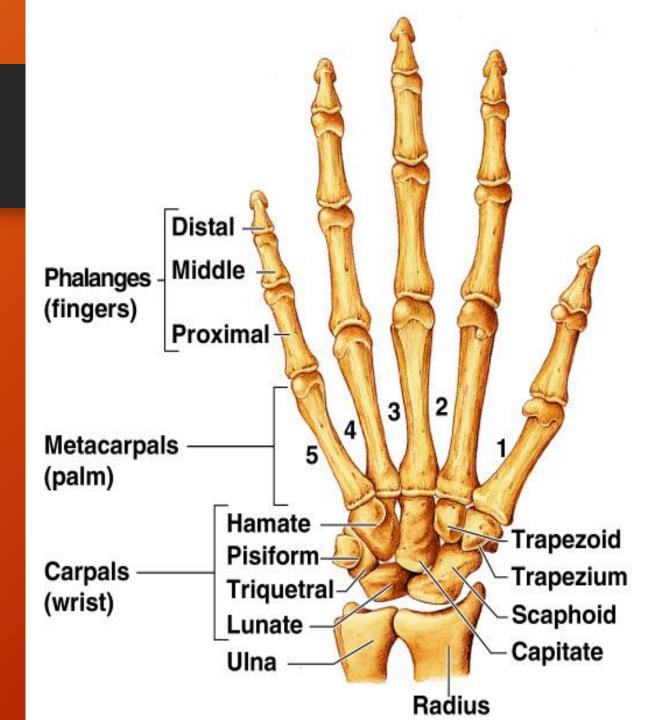
- The forearm has 2 bones
 - Ulna (inner bone in anatomical position)
 - Radius (outer bone in anatomical position)

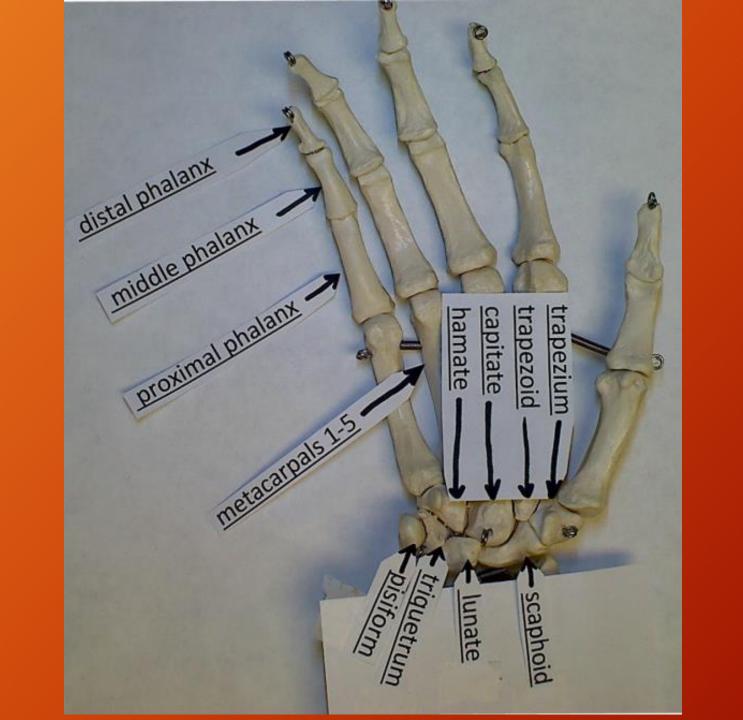




Bones of the Upper Limbs

- The Hand
 - Carpals = wrist
 - Metacarpals = palm
 - Phalanges = fingers

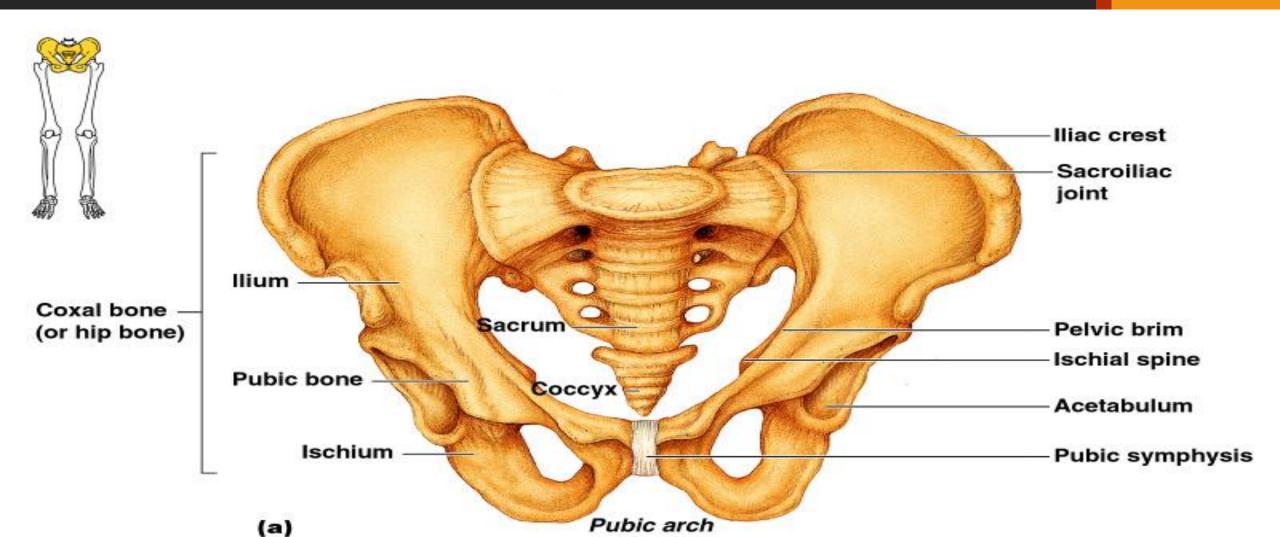




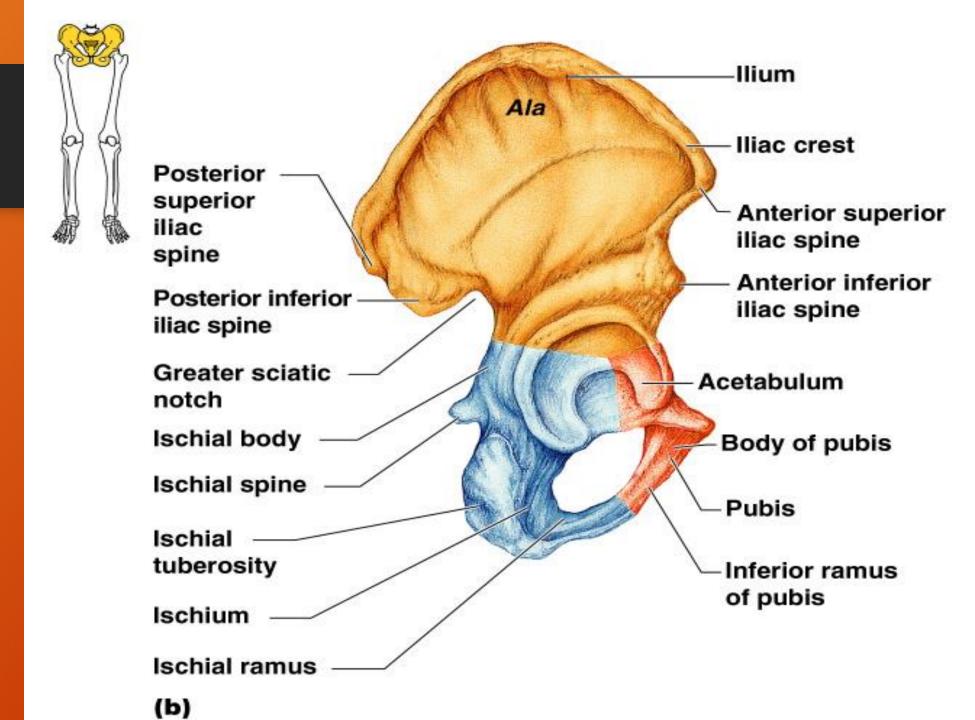
Bones of the Pelvic Girdle

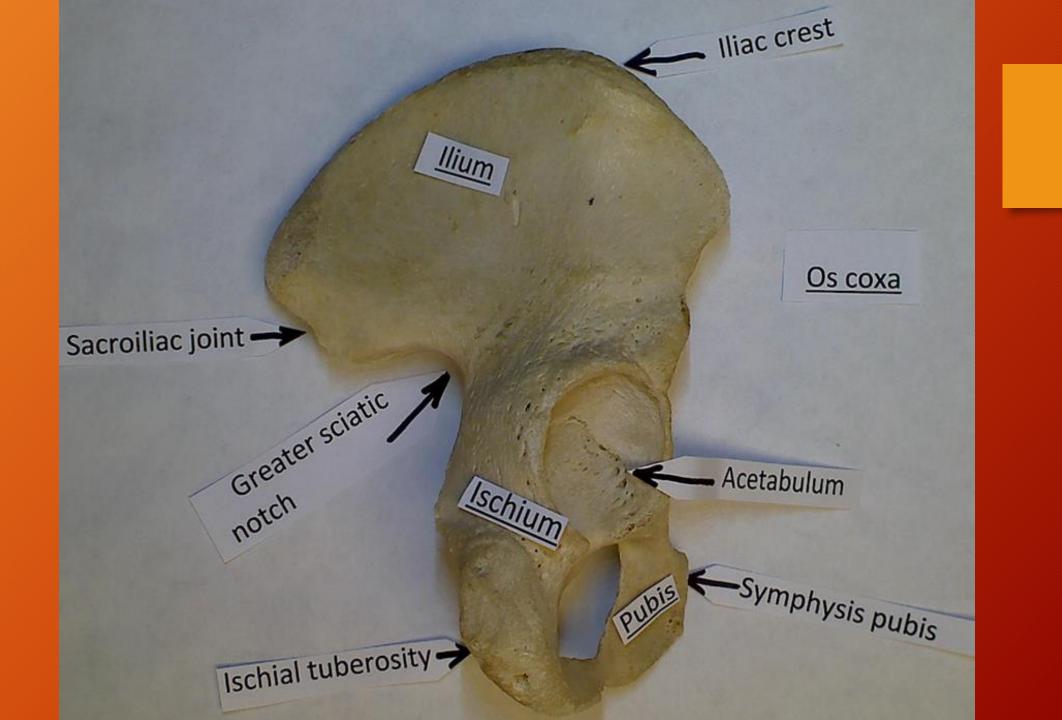
- Hip bones
 - Composed of 3 pair of fused bones
 - Ilium
 - Ischium
 - Pubic bone
- Total weight of the upper body rests on the pelvis
- Protects several organs
 - Reproductive organs
 - Urinary bladder
 - Part of the large intestine

The Pelvis

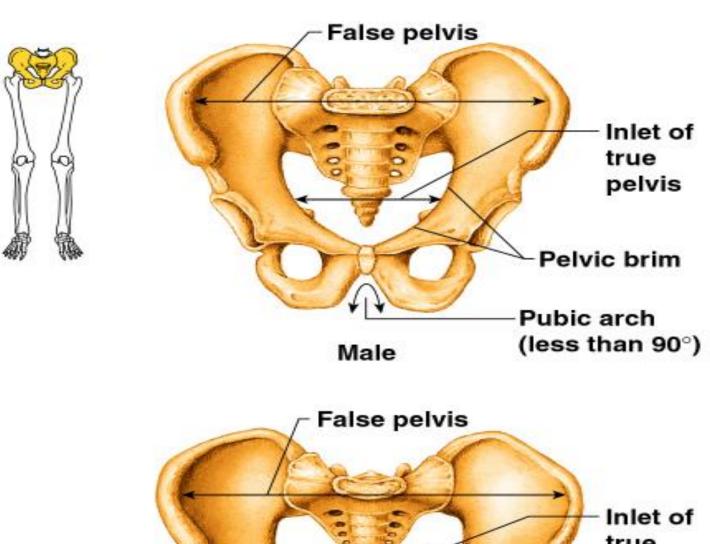


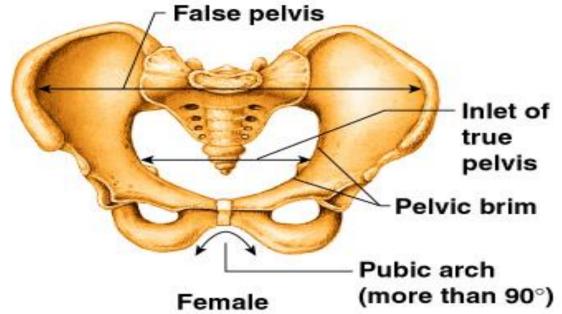
The Pelvis





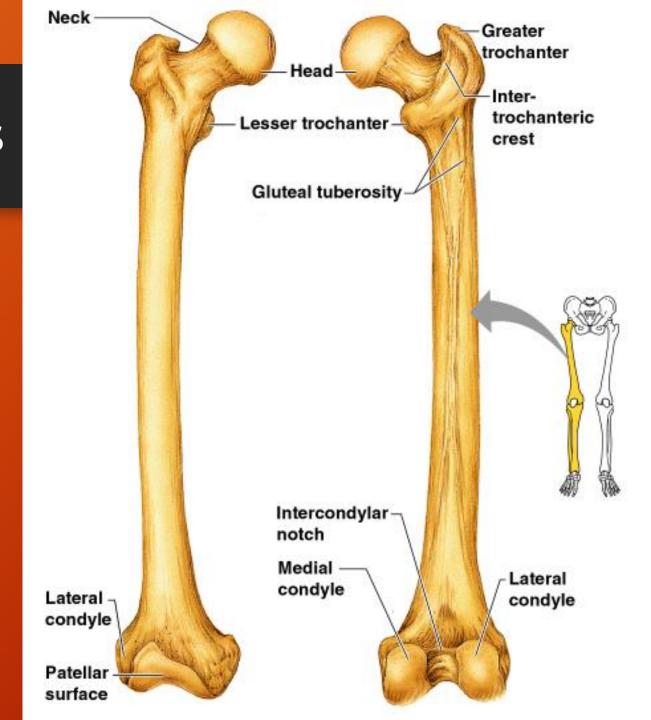
Gender Differences in the Pelvis

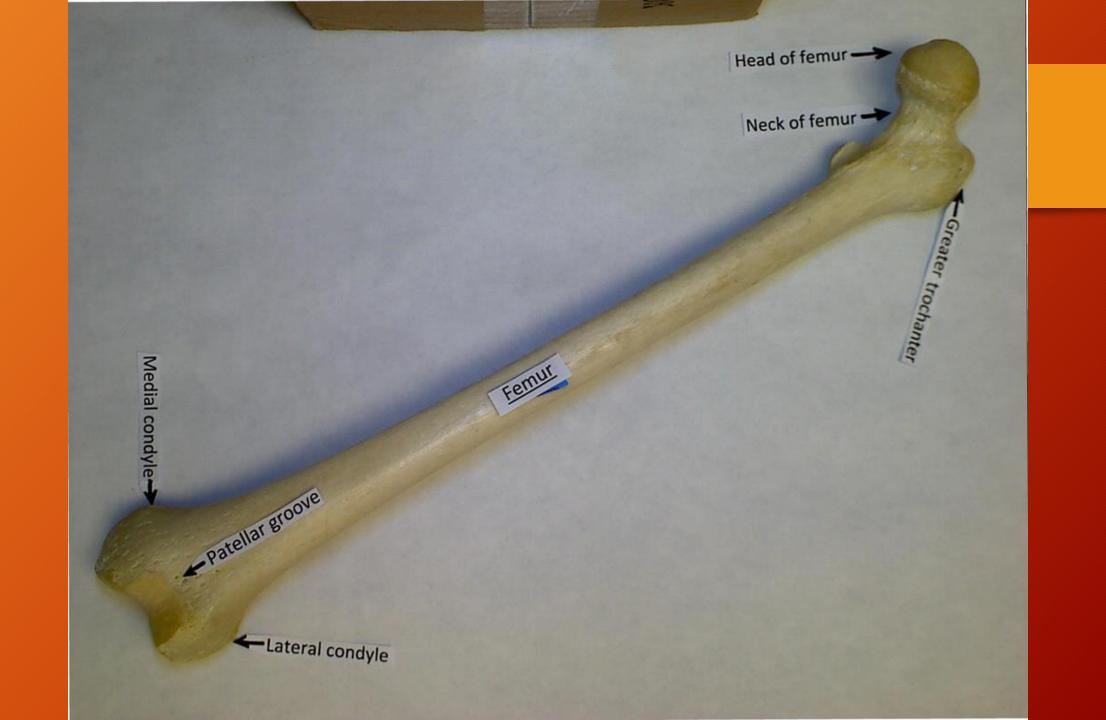




Bones of the Lower Limbs

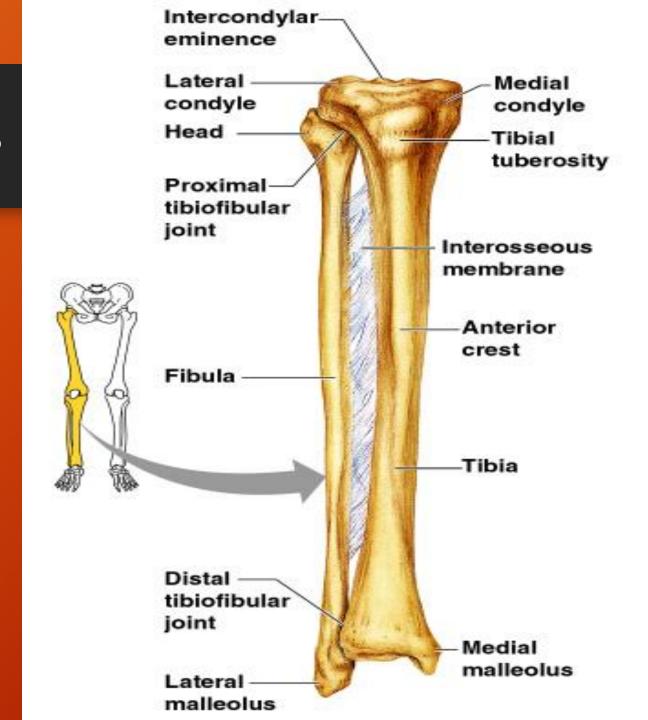
- The thigh has 1 bone
 - Femur = thigh bone





Bones of the Lower Limbs

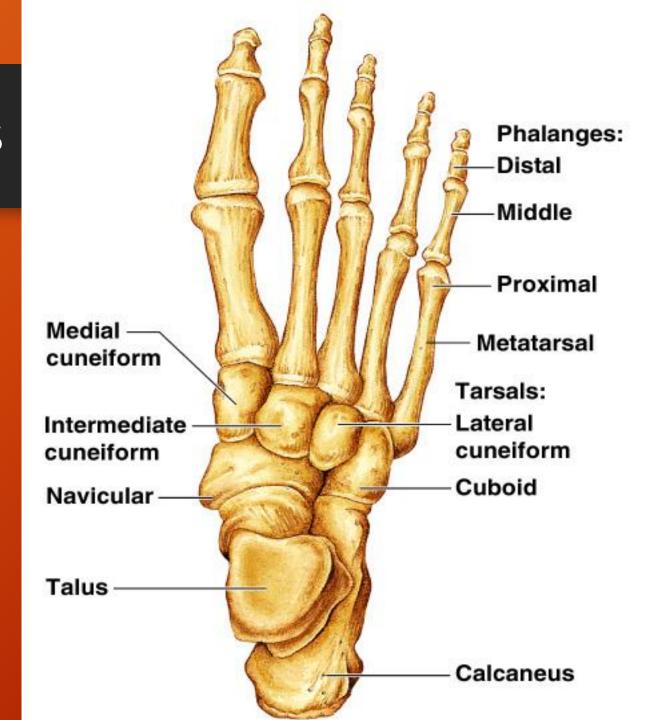
- The leg has 2 bones
 - Tibia (outer bone in anatomical position)
 - Fibula (inner bone in anatomical position)





Bones of the Lower Limbs

- The Foot
 - Tarsus = ankle
 - Metatarsals = sole
 - Phalanges = toes





Arches of the Foot

- Bones of the foot are arranged to form 3 strong arches
 - 2 longitudinal
 - 1 transverse

