

# Terminology Lists for Skeletal System Anatomy

**Bone Tissue:** periosteum, haversian canal, Volkmann's canals, lamellae, canaliculi, lacunae, osteocytes, endosteum

**Cartilage Tissue:** hyaline cartilage: matrix, lacunae, chondrocytes

**Types of bones:** long, short, flat, irregular

**Typical long bone:** epiphyses, diaphysis, medullary cavity, articular cartilage, periosteum, endosteum, spongy bone, compact bone, trabeculae, yellow marrow, red marrow

**Fontanels:** frontal (anterior), occipital (posterior), sphenoid, mastoid fontanels

## Axial skeleton

**General Skull Features:** sutures: sagittal, coronal, squamous, lambdoidal; orbits; zygomatic arch

### **Bones & Markings of the Skull:**

**frontal:** sinus, supraorbital margin

**parietal**

**temporal:** zygomatic process, mastoid process, styloid process, petrous portion, mandibular fossa, carotid canal, jugular foramen, external auditory (=acoustic) meatus, internal auditory (=acoustic) meatus

**occipital:** foramen magnum, occipital condyles

**sphenoid:** sella turcica, greater wing, lesser wing, sinus, optic foramen, orbital fissures

**ethmoid:** crista galli, cribriform plate, olfactory foramina, perpendicular plate, superior and middle nasal conchae, sinus

**maxilla:** alveoli in alveolar margin, palatine process, inferior orbital fissure, sinus

**mandible:** body, ramus, condylar process, mandibular foramen, coronoid process, alveoli in alveolar margin, mental foramen, mandibular notch

**palatine**

**zygomatic:** temporal process, zygomatic arch lacrimal: lacrimal canal nasal inferior nasal conchae

**vomer**

**hyoid bone**

### **Bones & Markings of the Vertebral Column:**

**vertebrae-general:** body, vertebral arch, vertebral foramen, transverse process, spinous process, superior articular process, inferior articular process, intervertebral foramina intervertebral discs

**cervical vertebrae:** transverse foramen, atlas, axis: dens (=odontoid process)

**thoracic vertebrae:** rib facets

**lumbar vertebrae**

**sacrum**

**coccyx**

## Bones and Markings of the Rib Cage:

sternum:

**manubrium**: jugular notch, clavicular notches, sternal angle

**body**

**xiphoid process**

**ribs**: costal cartilages, head, neck, body (=shaft), tubercle, costal groove; true ribs, false ribs, floating ribs

## Appendicular skeleton

### Bones & Markings of the Pectoral Appendage:

Pectoral Girdle:

**clavicle**: sternal extremity, acromial extremity

**scapula**: spine, acromion, coracoid process, glenoid cavity (=fossa), medial border, lateral border, supraspinous fossa, infraspinous fossa, subscapular fossa

Upper limb:

**humerus**: head, anatomical neck, surgical neck, greater tubercle, lesser tubercle, body, deltoid tuberosity, capitulum, coronoid fossa, radial fossa, trochlea, olecranon fossa, medial epicondyle, lateral epicondyle

Lower limb:

**radius**: head, radial tuberosity, styloid process, ulnar notch

**ulna**: olecranon process, coronoid process, trochlear notch, radial notch, head, styloid process

Hand

**carpals**

**metacarpals**

**phalanges**

### Bones & Markings of the Pelvic Appendages:

Pelvic Girdle:

**os coxa (=coxal) bone**: acetabulum, obturator foramen

**ilium**: iliac crest, anterior superior iliac spine, greater sciatic notch, iliac fossa, auricular surface,

**ischium**: ischial tuberosity

**pubis**: pubic symphysis

Upper Limb:

**femur**: head, neck, greater trochanter, lesser trochanter, medial condyle, lateral condyle, medial epicondyle, lateral epicondyle, linea aspera

**patella**

Lower Limb:

**tibia**: medial condyle, lateral condyle, tibial tuberosity, medial malleolus

**fibula**: head, lateral malleolus

Foot:

**tarsals:**

**talus**

**calcaneus**

**metatarsals**

**phalanges**