

ANATOMICAL CHECKLIST FOR SKELETAL SYSTEM

AXIAL SKELETON

Skull (22 bones)

- Cranial Bones (8):
- frontal bone (1)
 - supraorbital margin
 - supraorbital foramen
 - parietal bones (2)
 - temporal bones (2)
 - zygomatic process
 - mastoid process
 - styloid process
 - external auditory meatus
 - occipital bone (1)
 - foramen magnum
 - occipital condyles
 - external occipital protuberance
 - sphenoid bone (1)
 - sella turcica
 - ethmoid bone (1)
 - cribriform plate
 - crista galli
 - perpendicular plate
- Facial Bones (14):
- nasal bones (2)
 - maxillary bones (2)
 - alveolar process
 - palatine process
 - zygomatic bones (2)
 - temporal process
 - mandible (1)
 - alveolar process
 - body
 - rami
 - angle
 - condylar process
 - coronoid process
 - lacrima bones (2)
 - palatine bones (2)
 - inferior nasal conchae (2)
 - vomer (1)

Vertebral Column (26 vertebrae)

intervertebral disc
body
vertebral arch (pedicles and laminae)
vertebral foramen
vertebral canal
vertebral notch
intervertebral foramen
spinous process
transverse process
superior articular process (with facet)
inferior articular process (with facet)

Cervical Vertebrae (7): C1 (atlas)
 C2 (axis)
 C3
 C4
 C5
 C6
 C7

transverse foramen
spinous process (C2-C7—often bifid)
dens/odontoid process (C2)
vertebra prominens (C7)

Thoracic Vertebrae (12): T1
 T2
 T3
 T4
 T5
 T6
 T7
 T8
 T9
 T10
 T11
 T12

articular facets for ribs

Lumbar Vertebrae (5): L1
 L2
 L3
 L4
 L5

Sacrum (5 fused vertebrae)
median sacral crest
lateral sacral crest
sacral foramen

sacral canal
sacral hiatus
sacral promontory

Coccyx (4 fused vertebrae)

Thorax

Sternum (1)
manubrium
body
xiphoid process

Ribs (12 pair)
costal cartilage
true ribs (1-7)
false ribs (8-10)
floating ribs (11-12)

Hyoid Bone (1)

APPENDICULAR SKELETON

Pectoral Girdles (2)

Clavicle (2)

- sternal extremity
- acromial extremity
- costal tuberosity
- conoid tubercle

Scapula (2)

- spine
- body
- acromion
- coracoid process
- glenoid cavity
- medial (vertebral) border
- lateral (axillary) border
- supraspinous fossa
- infraspinous fossa
- subscapular fossa

Upper Limbs

Humerus (2)

- proximal end
 - head
 - greater tubercle
 - lesser tubercle
 - intertubercular sulcus
 - anatomical neck
 - surgical neck
- body (shaft)
 - deltoid tuberosity
- distal end
 - capitulum
 - trochlea
 - radial fossa
 - coronoid fossa
 - olecranon fossa
 - medial epicondyle
 - lateral epicondyle

Radius (2)

- proximal end
 - head
 - radial tuberosity
- distal end
 - styloid process
 - ulnar notch

Ulna (2)

- proximal end
 - olecranon
 - coronoid process
 - trochlear notch

- radial notch
- distal end
- head
- styloid process
- Carpals (16)
 - scaphoid
- Metacarpals (10)
 - metacarpals I, II, III, IV, V
 - base
 - shaft
 - head
- Phalanges (28)
 - phalanx
 - base
 - shaft
 - head
 - pollex

Pelvic Girdles (2)

Coxal Bones (2):

Ilium

- iliac crest
- anterior superior iliac spine
- anterior inferior iliac spine
- posterior superior iliac spine
- posterior inferior iliac spine
- greater sciatic notch
- auricular surface

Ischium

- ischial spine
- ischial tuberosity
- lesser sciatic notch
- ramus

Pubis

- superior ramus
- inferior ramus
- acetabulum
- obturator foramen
- pubic symphysis

Lower Limbs

Femur (2)

- proximal end
 - head
 - neck
 - greater trochanter
 - lesser trochanter
- body (shaft)
 - linea aspera
- distal end
 - medial condyle
 - medial epicondyle
 - lateral condyle
 - lateral epicondyle
 - intercondylar fossa

Tibia (2)

- proximal end
 - medial condyle
 - lateral condyle
 - intercondylar eminence
 - tibial tuberosity
- distal end
 - medial malleolus
 - fibular notch

Fibula (2)

- proximal end
 - head
- distal end
 - lateral malleolus

Patella (2)

Tarsals (14)

Talus

Calcaneus

Metatarsals (10)

metatarsals I, II, III, IV, V

base

shaft

head

Phalanges (28)

phalanx

base

shaft

head

hallux