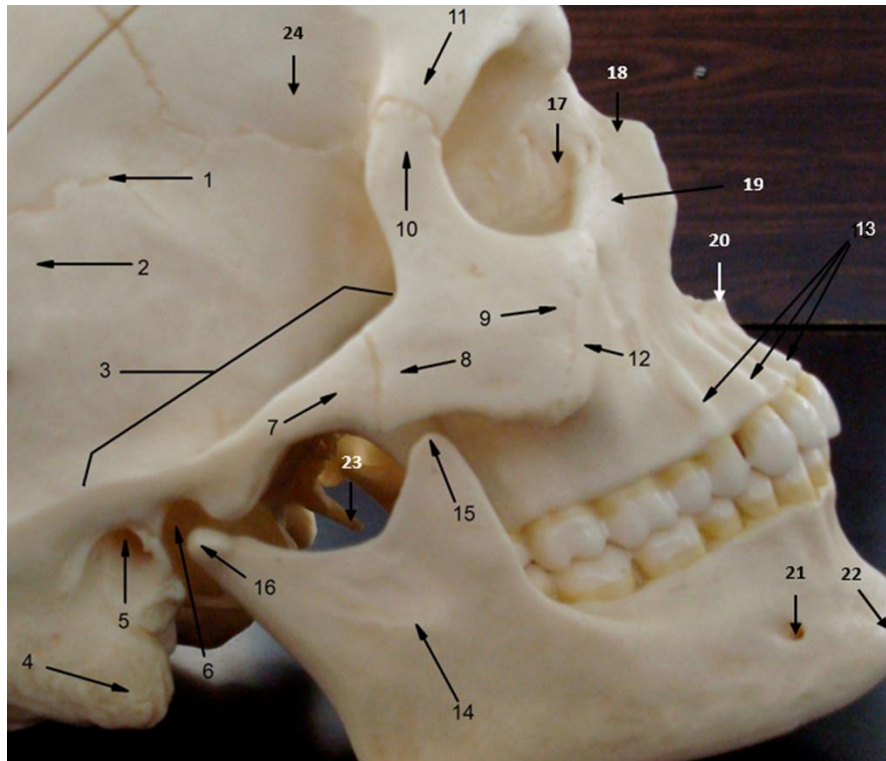


Answer Key to Practice Bone Practicum – Human Anatomy

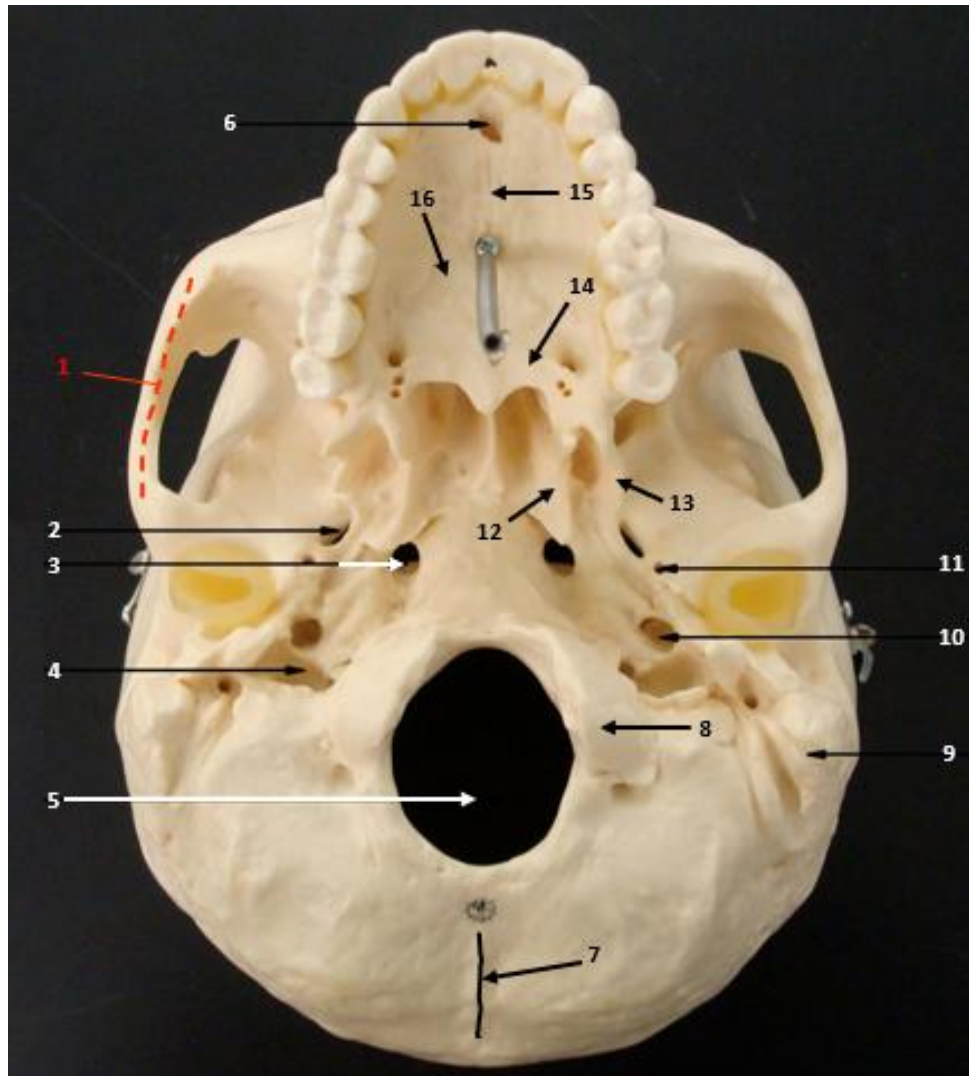
The answers for the bony landmarks indicated on the numbered photos for the specific structures (or bone) are provide below or beside each image. This will enable you to correct your own work.

1. Skull: Lateral View



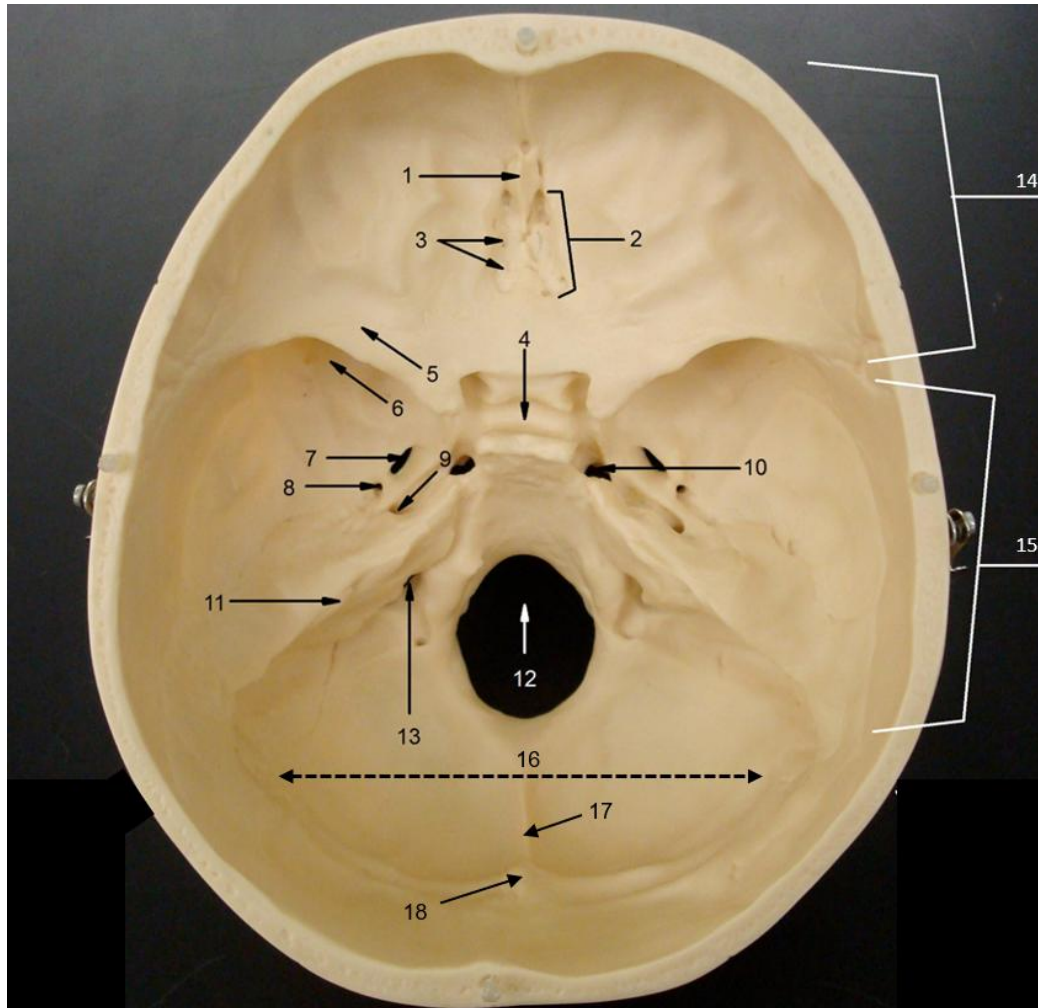
- | | |
|---|--|
| 1. squamous suture | 13. alveolar process of maxilla |
| 2. squamous portion | 14. ramus of mandible |
| 3. zygomatic arch | 15. coronoid process of mandible |
| 4. mastoid process | 16. condyloid process of mandible |
| 5. external auditory meatus | 17. lacrimal canal |
| 6. mandibular fossa | 18. nasal bone |
| 7. zygomatic process of temporal bone | 19. frontal process of maxilla |
| 8. temporal process of zygomatic bone | 20. vomer* (should be deeper in skull) |
| 9. zygomatic bone | 21. mental foramen |
| 10. frontal process of zygomatic bone | 22. mental protuberance |
| 11. zygomatic process of frontal bone | 23. styloid process of temporal bone |
| 12. zygomatic process of maxillary bone | |

2. Skull: Inferior View



- | | |
|-----------------------------|---------------------------------------|
| 1. zygomatic arch | 9. mastoid process |
| 2. foramen ovale | 10. carotid canal |
| 3. foramen lacerum | 11. foramen spinosum |
| 4. jugular foramen | 12. pterygoid process (medial plate) |
| 5. foramen magnum | 13. pterygoid process (lateral plate) |
| 6. incisive fossa | 14. palatine bone |
| 7. external occipital crest | 15. intermaxillary suture |
| 8. occipital condyles | 16. palatine process of maxilla |

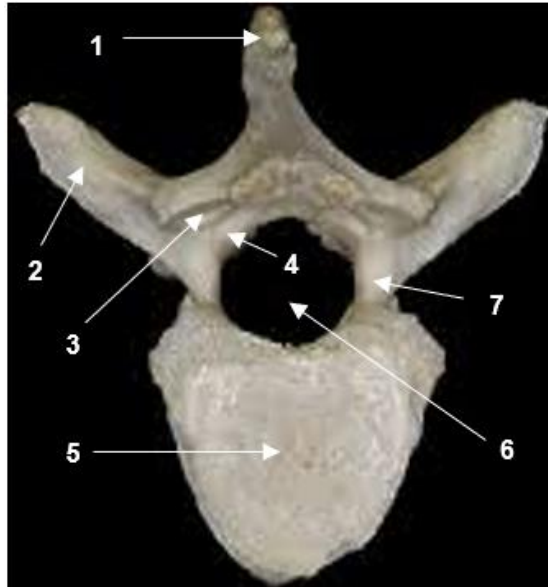
3. Skull: Internal View



- | | |
|-----------------------------|-------------------------------------|
| 1. crista galli | 10. foramen lacerum |
| 2. olfactory foramina | 11. petrous portion |
| 3. cribriform plate | 12. foramen magnum |
| 4. sella turcica | 13. internal auditory meatus |
| 5. greater wing of sphenoid | 14. *anterior cranial fossa |
| 6. lesser wing of sphenoid | 15. *middle cranial fossa |
| 7. foramen ovale | 16. *posterior cranial fossa |
| 8. foramen spinosum | 17. internal occipital crest |
| 9. carotid canal | 18. internal occipital protuberance |

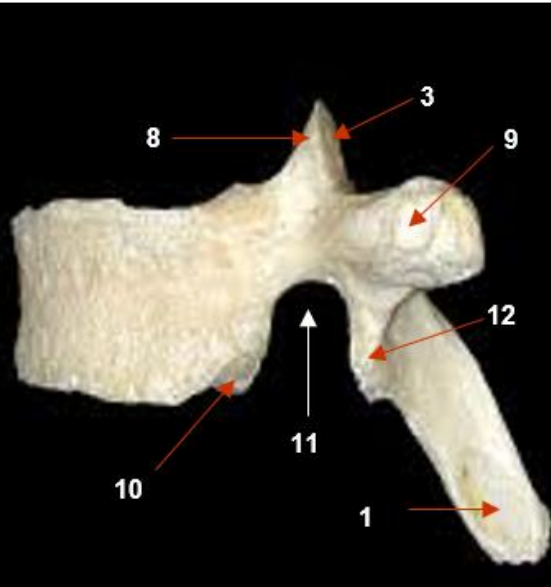
* These structures are not asked on lab exams.

4. Superior View of Vertebra



1. spinous process
2. transverse process
3. superior articulating facet
4. lamina
5. body (centrum)
6. vertebral foramen

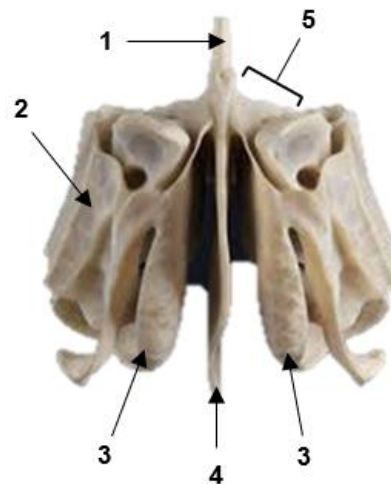
Lateral View of Vertebra



7. pedicle
8. superior articulating process
9. facets for ribs on transverse processes
10. facets for ribs on centrum
11. intervertebral notch
12. inferior articulating process

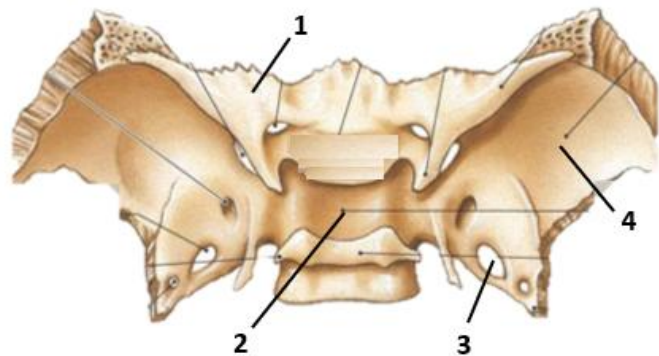
5. Ethmoid Anterior View

1. crista galli
2. superior nasal conchae
3. middle nasal conchae
4. perpendicular plate
5. cribriform plate

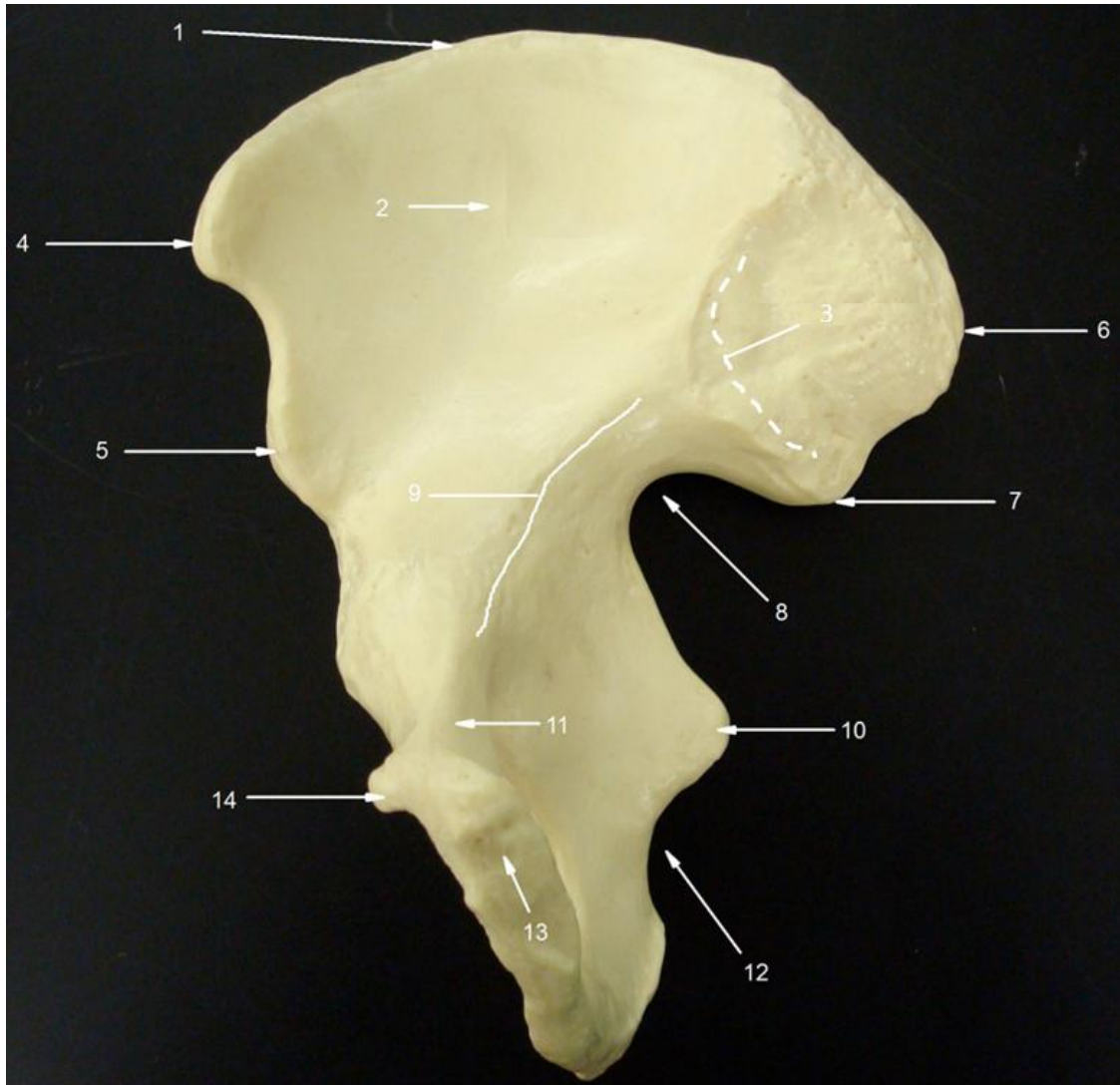


6. Sphenoid Superior View

1. lesser wing
2. sella turcica
3. foramen ovale
4. Greater wing



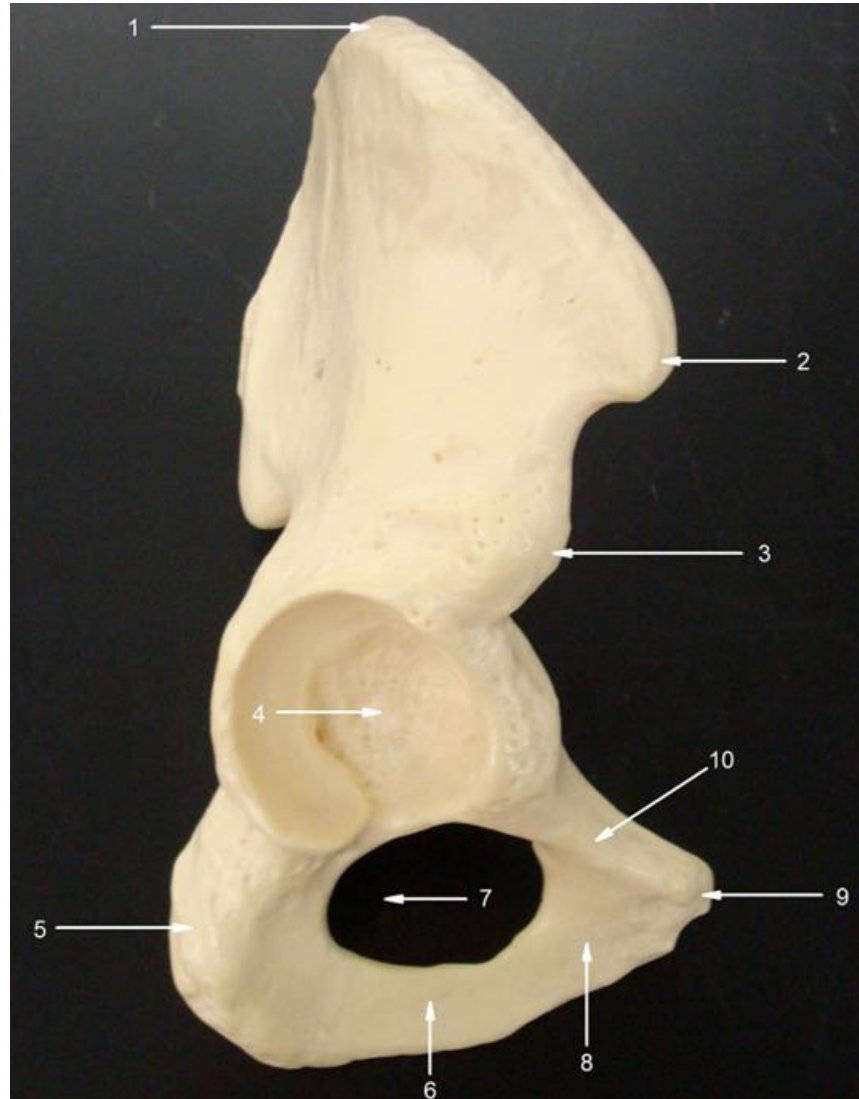
7. Os Coxa Anterior View



1. iliac crest
2. iliac fossa
3. auricular surface
4. anterior superior iliac spine
5. anterior inferior iliac spine
6. posterior superior iliac spine
7. posterior inferior iliac spine
8. greater sciatic notch

9. arcuate line
10. ischial spine
11. superior pubic ramus
12. lesser sciatic notch
13. pubic bone
14. pubic tubercle

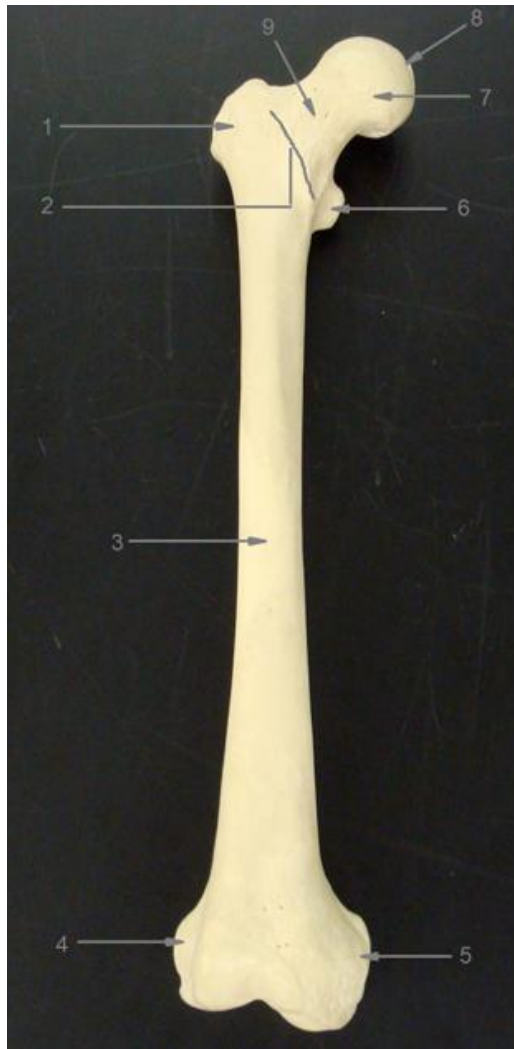
8. Os Coxa Lateral View



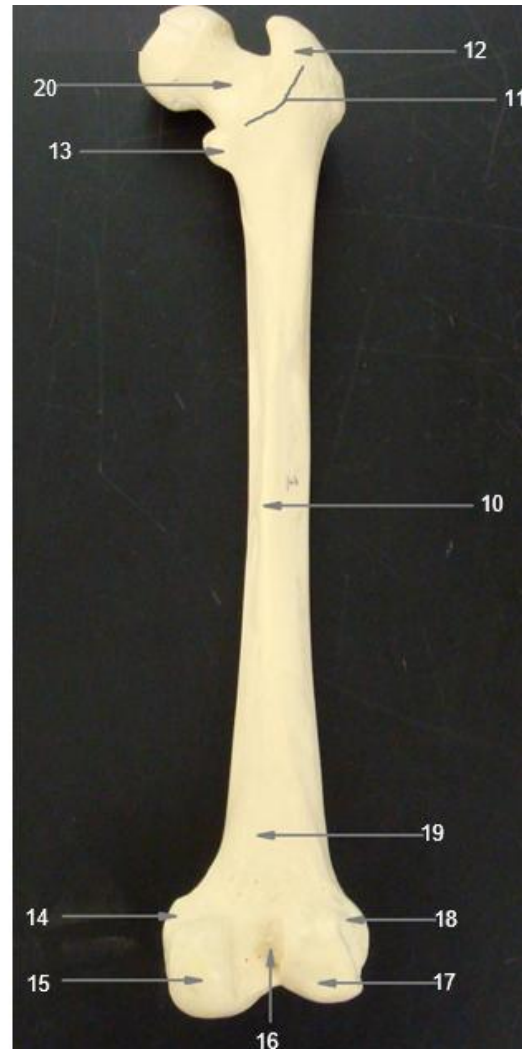
1. iliac crest
2. anterior superior iliac spine
3. anterior inferior iliac spine
4. acetabulum
5. ischial tuberosity

6. ischial ramus
7. obturator foramen
8. inferior pubic ramus
9. pubic bone
10. superior pubic ramus

9. Femur Anterior and Posterior View



1. greater trochanter
2. intertrochanteric line
3. shaft of femur
4. lateral epicondyle
5. medial epicondyle
6. lesser trochanter
7. head of femur
8. fovea capitis
9. neck of femur
10. linea aspera



11. intertrochanteric crest
12. greater trochanter
13. lesser trochanter
14. medial epicondyle
15. lateral condyle
16. intercondylar fossa
17. lateral condyle
18. lateral epicondyle
19. popliteal surface
20. neck of femur

10. Hand Anterior and Foot Superior View

1. middle phalanx II
2. metacarpal III
3. lunate
4. proximal phalanx I
5. radius
6. distal phalanx IV
7. capitate
8. proximal phalanx V
9. pisiform
10. trapezium



11. Foot Superior View

1. calcaneus
2. distal phalanx I
3. metatarsal III
4. metatarsal V
5. talus
6. navicular
7. middle phalanx II
8. proximal phalanx IV
9. cuboid
10. intermediate cuneiform

