

BIOL 1151L – Axial Skeleton Identification Sheet - Spring 2009

You should be able to identify all of the following bones of the axial skeletal as well as the markings listed below. You should be able to identify the bones on an intact skull or skeleton, or disarticulated, and indicate whether each is the LEFT or RIGHT version of that bone. You should also be able to identify the bones and markings using the Anatomy 360 software.

Skull

1. Frontal bone
 - a. Supraorbital margin
 - b. Supraorbital foramen
2. Parietal bone
3. Occipital bone
 - a. Occipital condyles
 - b. Foramen magnum
4. Temporal bone
 - a. Mastoid process
 - b. Styloid process
 - c. Zygomatic process
 - d. External acoustic meatus
5. Maxilla
 - a. Infraorbital foramen
6. Zygomatic bone
7. Sphenoid bone
 - a. Optic canal
 - b. Greater wing
 - c. Lesser wing
8. Nasal bone
9. Lacrimal bone
10. Ethmoid bone
11. Vomer
12. Inferior nasal concha
13. Mandible
 - a. Coronoid process
 - b. Mandibular condyle
 - c. Mandibular foramen
 - d. Mental foramen
 - e. Mandibular notch
14. Hyoid bone
 - a. Body
 - b. Greater horn
 - c. Lesser horn
15. Coronal suture
16. Sagittal suture
17. Squamous suture
18. Lambdoidal suture
19. Occipitomastoid suture

Fetal Skull

1. Frontal bone
2. Parietal bone
3. Temporal bone
4. Occipital bone
5. Frontal suture
6. Coronal suture
7. Sagittal suture
8. Squamous suture
9. Lambdoidal suture
10. Anterior (frontal) fontanel
11. Anterolateral (sphenoid) fontanel
12. Posterolateral (mastoid) fontanel
13. Posterior (occipital) fontanel
14. Maxilla
15. Mandible

Vertebral column

1. Atlas
 - a. Anterior arch
 - b. Posterior arch
2. Axis
 - a. Dens
3. Cervical vertebrae
4. Thoracic vertebrae
5. Lumbar vertebrae
6. Sacrum
 - a. Sacral foramina
 - b. Transverse ridges
7. Coccyx

Parts of vertebrae

*Be able to identify cervical, thoracic, and lumbar vertebrae.

1. Spinous process
2. Transverse process
3. Body
4. Vertebral foramen
5. Vertebral arch
6. Anterior arch
7. Posterior arch
8. Superior articular process
9. Inferior articular process

Thoracic cage

1. Rib
 - a. Head
 - b. Neck
 - c. Tubercle
 - d. Shaft
 - e. Sternal end
 - f. True vs. False
2. Sternum
 - a. Manubrium
 - b. Body
 - c. Xiphoid process
3. Costal cartilages