Bio 135 Lab: Bones lab one. Axial Skeleton:

- Objectives:
 - Learn the surface marking terminology
 - Apply this terminology to bony structures
 - Identify the bones of the axial skeleton and the related surface markings
- Pre-Lab activities:
 - Go to virtual lab and review materials on the Skeletal system.
 - Review the Axial bones study list at the end of this document. Learn these bones and markings by visually comparing them to images in your text and online.
- Related in lab activities:
 - Brief lecture on bones of the Axial Skeleton
 - Review slide of microscopic structure of bone and identify structures
 - Exercise
 - View the bones in class that are listed below. Learn to visually identify these bones. And related structures, on the virtual lab and the images in your text.
 - B able to identify the structures of the skull as listed.

Bio 135 Bones and Markings of the Axial Skeleton

The Skull	
1. Frontal bone	
2. Parietal bone	
3. Occipital bone	
19. occipital condyle	76
69. foramen magnu	
4. Temporal bone	11
-	
5. mastoid process	
8. mandibular fossa	
9. styloid process	
30. zygomatic arch	
42. external auditory	/ meatus
11. Zygomatic bone	
12. Nasal bone	
13. Maxilla	
14. Lacrimal bone	
15. Ethmoid bone	
58. crista galli	
59. cribriform plate	
16. Vomer	
17. Palatine bone	
10. Sphenoid bone	
63. sella turcica	
20. Mandible	
52. mental foramen	
21. coronoid proces	S
22. mandibular cond	
The Hyoid Bone	-, -
The Vertebral Column	
Cervical vertebrae (7)	
body	
spinous process	
transverse process	
transverse foramen	
vertebral foramen	
Atlas	
Axis	
dens	
Thoracic vertebrae (12)	
body	
spinous process	
transverse process	

vertebral foramen

Lumbar vertebrae (5) body spinous process transverse process vertebral foramen Sacrum body sacral hiatus superior sacral canal sacral foramina Coccyx The Thoracic Cage Sternum body manubrium clavicular notch

Ribs

jugular notch xiphoid process

true ribs (7 pairs) false ribs (5 pairs) floating ribs (2 pairs)