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.
 - Be able to identify the structures of the skull as listed.

Bio 135 Bones and Markings of the Axial Skeleton

The Sk	xull
1. Fron	ital bone
2. Parie	etal bone
	ipital bone
	19. occipital condyles
	69. foramen magnum
	poral bone
	5. mastoid process
	8. mandibular fossa
	9. styloid process
	30. zygomatic arch
	42. external auditory meatus
	•
	gomatic bone
	sal bone
13. Ma	
	crimal bone
_	moid bone
	58. crista galli
	59. cribriform plate
16. Vo i	
17. Pal	atine bone
10. Spl	nenoid bone
(63. sella turcica
20. Mandible	
į	52. mental foramen
	21. coronoid process
	22. mandibular condyle
	oid Bone
•	rtebral Column
Cervica	al vertebrae (7)
	oody
	spinous process
	ransverse process
	ransverse foramen
	vertebral foramen
Atlas	vertebrar totallien
Axis	
	dens
	cic vertebrae (12)
	oody
	spinous process
t	ransverse 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

#IIIUIII

body manubrium clavicular notch jugular notch xiphoid process

Ribs

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