REVIEW SHEET

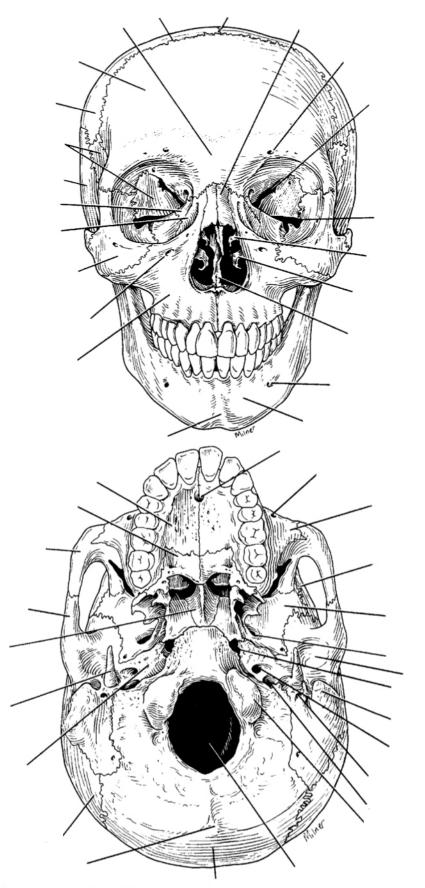
The Axial Skeleton

The Skull

1. First, match the bone names in column B with the descriptions in column A (the items in column B may be used more than once). Then, circle the bones in column B that are cranial bones.

Column A		Co	lumn B
1.	forehead bone	a.	ethmoid
2.	cheekbone	b.	frontal
3.	lower jaw		
4.	bridge of nose	c.	hyoid
5.	posterior bones of the hard palate	d.	lacrimal
6.	much of the lateral and superior cranium	e.	mandible
7.	most posterior part of cranium		
8.	single, irregular, bat-shaped bone forming part of the cranial floor	f.	maxilla
9.	tiny bones bearing tear ducts	g.	nasal
10.	anterior part of hard palate	h.	occipital
11.	superior and medial nasal conchae formed from its projections		•
12.	site of mastoid process	i.	palatine
13.	site of sella turcica	j.	parietal
14.	site of cribriform plate	k.	sphenoid
15.	site of mental foramen	,	
16.	site of styloid processes	l.	temporal
,	_,, and	m.	vomer
	four bones containing paranasal sinuses	n.	zygomatic
18.	condyles here articulate with the atlas		
19.	foramen magnum contained here		
20.	small U-shaped bone in neck, where many tongue muscles attach		
21.	middle ear found here		
22.	nasal septum		
23.	bears an upward protrusion, the "cock's comb," or crista galli		
;	24. contain alveoli bearing teeth		

Using choices from the numbered key to the right, identify all bones and bone markings provided with leader lines in the two diagrams below.

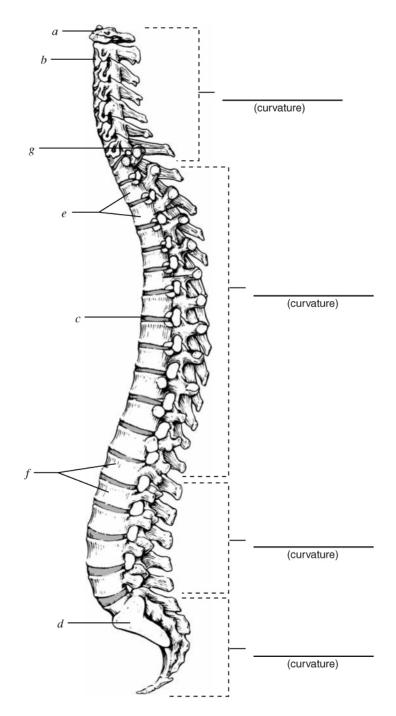


- Key: 1. carotid canal
 - 2. coronal suture
 - 3. ethmoid bone
 - 4. external occipital protuberance
 - 5. foramen lacerum
 - 6. foramen magnum
 - 7. foramen ovale
 - 8. frontal bone
 - 9. glabella
 - 10. incisive fossa
 - 11. inferior nasal concha
 - 12. inferior orbital fissure
 - 13. infraorbital foramen
 - 14. jugular foramen
 - 15. lacrimal bone
 - 16. mandible
 - 17. mandibular fossa
 - 18. mandibular symphysis
 - 19. mastoid process
 - 20. maxilla
 - 21. mental foramen
 - 22. middle nasal concha of ethmoid
 - 23. nasal bone
 - 24. occipital bone
 - 25. occipital condyle
 - 26. palatine bone
 - 27. palatine process of maxilla
 - 28. parietal bone
 - 29. sagittal suture
 - 30. sphenoid bone
 - 31. styloid process
 - 32. stylomastoid foramen
 - 33. superior orbital fissure
 - 34. supraorbital foramen
 - 35. temporal bone
 - 36. vomer
 - 37. zygomatic bone
 - 38. zygomatic process of temporal bone

3.	Define suture							
4.	With one exception, the skull bones are joined by sutures. Name the exception.							
5.	What bones are connected by the lambdoid suture?							
	What bones are connected by the squamous <i>suture</i> ?							
6.	Name the eight bones of the cranium.							
7.	Give two possible functions of the sinuses.							
8.	What is the orbit? What bones contribute to the formation of the orbit?							
9.	Why can the sphenoid bone be called the keystone of the cranial floor?							
	The distinguishing characteristics of the vertebrae composing the vertebral column are noted below. Correctly identify each described structure by choosing a response from the key. **Key: a. atlas							
	1. vertebral type containing foramina in the transverse processes, through which the vertebra arteries ascend to reach the brain							
	2. dens here provides a pivot for rotation of the first cervical vertebra (C_1)							
	transverse processes faceted for articulation with ribs; spinous process pointing sharply downward							
	4. composite bone; articulates with the hip bone laterally							
	5. massive vertebrae; weight-sustaining							
	6. "tail bone"; vestigial fused vertebrae							
	7 cumparts the heads allows a realing motion in conjugation with the assimital condules							

11.	Using the key, correctly identify the vertebral parts/areas described below. (More than one choice may apply in some cases.) Also use the key letters to correctly identify the vertebral areas in the diagram.								
	Key: a. body b. interve c. lamina	ertebral foramina	d. pediclee. spinous processf. facet of superior arti		g. transverse processh. vertebral archi. vertebral foramen				
	1.	cavity enclosing the ner	rve cord		MP-				
	2. weight-bearing portion of the vertebra								
	5. openings providing for exit of spinal nerves								
	, 6.	structures that form an e	enclosure for the spinal con	rd (
12.	12. Describe how a spinal nerve exits from the vertebral column.								
13.	13. Name two factors/structures that permit flexibility of the vertebral column.								
	-		and						
14.	What kind of tiss	sue composes the interver	rtebral discs?						
15.	What is a herniate	ed disc?							
What problems might it cause?									
16.	Which two spina	l curvatures are obvious a	at birth?	and					
Under what conditions do the secondary curvatures develop?									

- 17. On this illustration of an articulated vertebral column, identify each curvature indicated and label it as a primary or a secondary curvature. Also identify the structures provided with leader lines, using the letters of the terms listed in the key below.
 - Key: a. atlas
 - b. axis
 - c. intervertebral disc
 - d. sacrum
 - e. two thoracic vertebrae
 - f. two lumbar vertebrae
 - g. vertebra prominens



The Thoracic Cage

18. The major bony components of the thorax (excluding the vertebral column) are the ______

and the _____.

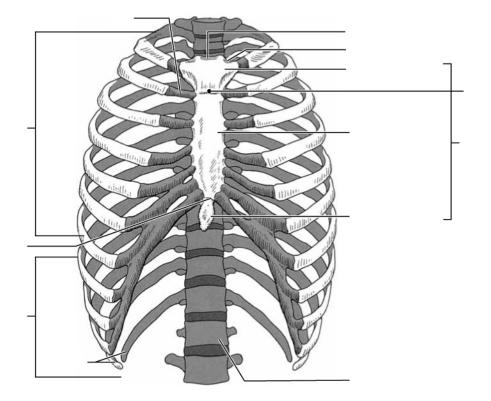
19. Differentiate between a true rib and a false rib.

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Is a floating rib a true or a false rib?

20. What is the general shape of the thoracic cage?

21. Using the terms in the key, identify the regions and landmarks of the bony thorax.



Key: a. body

b. clavicular notch

c. costal cartilage

d. false ribs

e. floating ribs

f. jugular notch

g. manubrium

h. sternal angle

i. sternum

j. true ribs

k. xiphisternal joint

1. xiphoid process