Axial Skeleton: Pre-lab exercise -- due at the beginning of your lab session.

I. Multiple choice: select the best answer.

1. The skull bone posterior to the foramen magnum is:
   a. atlas.
   b. axis.
   c. occipital.
   d. parietal.

2. The axial skeleton contains:
   a. the skull, vertebral column, and pelvis.
   b. arms, legs, hands, and feet.
   c. the skull, vertebral column, and bony thorax.
   d. shoulder and pelvic girdles.

3. The pituitary gland is housed in the:
   a. vomer bone.
   b. sinuses of the ethmoid.
   c. sella turcica of the sphenoid.
   d. foramen lacerum.

4. The vertebral column is formed from how many irregular bones?
   a. 32
   b. 36
   c. 26
   d. 30

5. The major function of intervertebral discs is to:
   a. prevent hyperextension.
   b. "string" the vertebrae together.
   c. prevent spinal injuries.
   d. absorb shock.

6. All of the following facial bones are paired except one. Which of the following is the unpaired facial bone?
   a. palatine
   b. lacrimal
   c. vomer
   d. maxillae

7. The facial bones include:
   a. lacrimal, nasal, maxillary, mandible
   b. frontal, lacrimal, zygomatic, sphenoid
   c. maxillary, mandible, ethmoid, sphenoid
   d. ethmoid, sphenoid, temporal, parietal
II. Matching – Skull

A. ethmoid  
B. frontal  
C. lacrimal  
D. mandible  
E. maxilla  
F. occipital  
G. palatine  
H. parietal  
I. sphenoid  
J. temporal  
K. vomer  
L. zygomatic

8. _____ Forehead bone  
9. _____ Cheekbone  
10. _____ Lower jaw  
11. _____ Posterior part of hard palate  
12. _____ Single, irregular, bat-shaped bone, keystone of cranium.  
13. _____ Anterior part of hard palate.  
14. _____ Site of mastoid process  
15. _____ Site of cribiform plate  
16. _____ Site of mental foramen  
17. _____ Site of styloid process  
18. _____ Its condyles articulate with the atlas  
19. _____ Middle ear found here  
20. _____ Site of foramen ovale.

III. Matching: vertebral column and bony thorax.

A. body  
B. intervertebral foramina  
C. atlas  
D. axis  
E. spinous process  
F. coccyx  
G. superior articular process  
H. lumbar vertebra  
I. transverse process  
J. xiphoid process  
K. thoracic vertebra  
L. vertebral arch  
M. cervical vertebra  
N. manubrium  
O. body  
P. sacrum

21. _____ Weight bearing part of vertebra  
22. _____ Type of vertebra(e) containing foramina in the transverse processes.  
23. _____ Provides an articulation point for the ribs.  
24. _____ Composite bone; articulates with hip bone laterally.  
25. _____ Openings provide exit for spinal nerves  
26. _____ Massive vertebra, weight sustaining  
27. _____ Supports head, allows rocking motion of occipital condyles  
28. _____ Twelve components, unfused  
29. _____ Inferior part of sternum  
30. _____ Site of jugular notch