

Name: _____

Lab section: _____

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 | G. palatines |
| B. frontal | H. parietals |
| C. lacrimals | I. sphenoid |
| D. mandible | J. temporals |
| E. maxillae | K. vomer |
| F. occipital | 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 cribriform 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.

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