

The Axial and Appendicular Skeletal Systems  
Chapter Seven and Chapter Eight Study Guides  
Tortora & Derrickson

(Note: You will be tested on the structural identification of the skeletal system in the anatomy exam. You will be tested on the functions of the skeletal system in the lecture exam.)

1. Why do the number of bones in the human skeleton vary during life?
2. What is a sesamoid bone?
3. What is a suture? Location and functions?
4. Explain the anatomical relationship between the foramen magnum and the brainstem?
5. Why is brain edema a danger to life? Mechanism causing necrosis?
6. What is the common term used to describe the calvaria?
7. What is the structure of a sinus? What type of membrane lines a sinus? Significance?
8. What two accidental events with the ethmoid bone may have clinical significance?
9. What is temporomandibular joint (TMJ)?
10. What is a fontanel?
11. How may you use the fontanel to diagnose the physiologic state of a newborn infant?
13. What are the four regions of the spinal cord?
14. What terms (3) describe abnormal spinal curvatures?
15. What is the structure of an intervertebral disc? Function?
16. What may happen to skeletal muscles if an intervertebral disc ruptures?  
What operation may correct this condition?
17. How is the structure of the male and female pelvic girdle different?  
Significance?
18. What bones form the palm of the hand?
19. What bones form the arch of the foot?
20. What term describes the fingers and toes?
21. What bone forms the heel of the foot?