

Skeletal System Vocabulary and Questions

Write the word, a paraphrased definition, then use the word in a sentence with respect to the skeletal system.

1. Achondroplasia
2. Craniotomy
3. Necroses
4. Osteitis
5. Osteoarthritis
6. Osteoblastoma
7. Osteoma
8. Osteomyelitis
9. Suture
10. Fontanel
11. Rickets
12. Marfan's syndrome
13. Carpal tunnel syndrome
14. Scoliosis
15. Whiplash
16. Rheumatoid Arthritis

Answer the following questions giving specific details where warranted using complete sentences.

1. What is ossification? When does the process begin and end?
2. What is a fracture? Describe at least 10 different types. (yes, that's more than we covered in class)
3. Your friend tells you that she has tiny cracks in her tibia called "shin splints". How will you politely tell her what shin splints really are?
4. Where are the four major sutures of the skull located?
5. What are the principal structural differences between male and female skeletons?
6. Distinguish between rheumatoid arthritis and osteoarthritis with respect to cause and symptoms? What are the typical treatments for these disorders?
7. Distinguish between a sprain and strain?
8. Why is the tibia involved in the transfer of weight to the ankle and foot but not the fibula?

9. Why would an instructor teaching self-defense advise a student to strike an assailant's clavicle in an attack?
10. In order to settle a bet, you need to measure the length of your lower limb (femur & tibia). Make a diagram to show which landmarks would you use to make the measurements and explain why you chose those landmarks?
11. Fireman Fred is fighting a fire in a building when part of the ceiling collapses and a beam strikes him on his left shoulder. He is rescued by his friends, but he has a great deal of pain in his shoulder and he cannot move his arm properly, especially in the anterior direction. His clavicle is not broken, and his humerus is intact. What is the probable nature of Fred's injury?
12. Cindy is anxiously awaiting the birth of her first child. As she gets closer to term, her physician orders an ultrasound. After seeing the results, he makes some calculations and informs Cindy that she will have a Cesarean section. Why can't Cindy deliver the baby by natural childbirth? (be specific and give details in your answer.)
13. Why are ruptured intervertebral discs more common in lumbar vertebrae and dislocations and fractures more common in cervical vertebrae?
14. Why is it important to keep the back straight and eyes up when lifting a heavy object?
15. While working at an excavation an archaeologist finds several small skull bones. She examines the frontal, parietal, and occipital bones and concludes that the skulls are those of children not yet one year old. How can she tell their ages from examining the bones?