Bio 160 Exam 2

Skeletal system

1. Name at least two functions of the skeletal system.
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. The femur is an example of a \_\_\_\_\_\_\_\_\_\_\_\_\_ bone.
   1. Long
   2. Short
   3. Flat
   4. Irregular
   5. Sesamoid
3. The rib is an example of a \_\_\_\_\_\_\_\_\_\_\_ bone.
   1. Long
   2. Short
   3. Flat
   4. Irregular
   5. Sesamoid
4. What are the ends of a long bone called?
   1. Epiphyses
   2. Diaphysis
   3. Periosteum
   4. Greater trochanter
   5. Lesser trochanter
5. What is the cartilage at the end of bones primarily made of?
   1. Hyaline cartilage
   2. Fibrocartilage
   3. Elastic Cartilage
   4. Connective tissue
   5. Periosteum
6. What is the intervertebral disk made of?
   1. Hyaline cartilage
   2. Fibrocartilage
   3. Elastic Cartilage
   4. Connective tissue
   5. Periosteum
7. What is the function of spongy bone?
   1. Makes the wall of the diaphysis
   2. Makes the wall of the epiphyses
   3. Reduce the weight of the bone
   4. Fill empty space
   5. Make the bone more dense
8. What is another name for a general bone cell?
   1. Bone Cell
   2. Osteocyte
   3. Osteoblast
   4. Osteoclast
   5. Canaliculi
9. \_\_\_\_\_\_\_\_\_\_\_\_ deposit bony tissue around themselves.
   1. Bone Cell
   2. Osteocyte
   3. Osteoblast
   4. Osteoclast
   5. Canaliculi
10. \_\_\_\_\_\_\_\_\_\_\_\_ break down bone tissue.
    1. Bone Cell
    2. Osteocyte
    3. Osteoblast
    4. Osteoclast
    5. Canaliculi
11. If a physician were to estimate your height, he or she would have to look at your \_\_\_\_\_\_\_\_\_\_\_\_.
    1. Secondary Ossification Center
    2. Primary Ossification Center
    3. Medullary Cavity
    4. Developing periosteum
    5. Epiphyseal plates
12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is another word for blood cell formation.
    1. Hemostasis
    2. Hemophiliac
    3. Hematopoiesis
    4. Hematoma
    5. Hermaphrodite
13. \_\_\_\_\_\_\_\_\_\_\_ function is for red blood cell formation.
    1. Yellow bone marrow
    2. Red bone marrow
    3. Periosteum
    4. Central canals
    5. Spongy bone
14. The mother in the chocolate episode of SpongeBob is the perfect example of the \_\_\_\_\_\_\_\_\_\_\_. (\_\_\_\_\_\_\_\_ consists of the skull, hyoid bone, vertebral column, and thorax)
    1. Pelvic girdle
    2. Upper limbs
    3. Appendicular skeleton
    4. Axial skeleton
    5. Lower limbs
15. What is the function of the sinuses in the skull?
    1. Give space for bacteria to drain
    2. Nerve passage
    3. Blood vessel passage
    4. Fat storage
    5. Reduce the weight of the skull
16. How many of each type of vertebrae?
    1. Cervical \_\_\_\_\_\_\_\_\_\_\_\_\_
    2. Thoracic \_\_\_\_\_\_\_\_\_\_\_\_
    3. Lumbar\_\_\_\_\_\_\_\_\_\_\_\_
17. Which is an example of an immovable joint?
    1. Knee
    2. Ankle
    3. Fingers
    4. Sutures of skull
    5. Eye ball socket
18. \_\_\_\_\_\_\_\_ are shock absorbing pads that be found in synovial joints.
    1. Menisci
    2. ACL
    3. Ligaments
    4. Tendons
    5. Intercalated Disks
19. Your hip is an example of a \_\_\_\_\_\_\_\_\_\_\_.
    1. Hinge joint
    2. Gliding joint
    3. Ball and socket
    4. Condyloid
    5. Pivot joint
20. If you were to reach out your hand, turning your palm up for some candy while trick or treating, what would you call this motion?
    1. Adduction
    2. Flexion
    3. Hyperextension
    4. Supination
    5. Pronation

Please match the word to its definition by placing the correct letter next to the number that represents the word.

21. Articular cartilage 22. Diaphysis

23. Periosteum 24. Epiphyses

25. Compact bone 26. Spongy bone

27. endosteum 28. Marrow

29. Central canals 30. Perforating canals

1. Central canals are connected by these
2. Cover the epiphyses
3. Is the site for blood cell production
4. A tough layer of vascular connective tissue
5. Reduces the weight of the skull
6. Makes up the wall of the diaphysis
7. The end of long bones
8. Connective tissue that lines the medullary cavity
9. The shaft of the bone
10. Contain blood vessels and nerve fibers, and extend longitudinally through bone

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