Anatomy and Physiology Chapters 6-9 Skeletal System Study Guide

| 1. | A bone with a long longitudinal axis and | | | s of the ulna, c. the radial | |
|-----|---|--|--|------------------------------|--|
| | expanded ends is classified as a | | tuberosity, d. the styl | | |
| | bone. | 21. | | a. 8 carpal bones, b. 5 | |
| | Ribs are examples ofbones. | | | 14 phalanges,d. distal | |
| 3. | The shaft of a long bone is the: a. epiphysis, b. | 22 | segments of the radiu | | |
| | diaphysis | 22. | The bones of the palr | | |
| 4. | Bone that consists of tightly packed tissue is | | the | bones. | |
| _ | calledbone. | 23. | When the hands are p | placed on the hips, they are | |
| 5. | Bone that consists of numerous bony bars and | | placed over the | · | |
| | plates separated by irregular spaces is | 24. | | he body is the: a. tibia, b. | |
| | calledbone. | | fibula, c. femur, d. pa | | |
| 6. | The medullary cavity is filled with: a. spongy | 25. | The largest of the tars | | |
| | bone, b. fatty connective tissue, c. marrow, d. | | the | • | |
| | collagen | | Structure and Classi | | |
| 7. | Osteoclasts and osteoblasts remodel bone | 1. | The bones of the wris | | |
| | througout life as osteoclasts resorb bone tissue | | of | bones. | |
| | and osteoblasts replace the bone. True/False | 2. | The bone of the thigh | is an example of | |
| 8. | The effect of exercise on bones is to cause them | | a(n) | bone. | |
| | to, and lack of exercise | 3. | Vertebrae are example | les | |
| | causes them to | | of | bones. | |
| 9. | To accomplish movement, bones and muscles, | 4. | Vertebrae are example of The patella (kneecap) |) is an example of a | |
| | function together to act as | | | | |
| 10. | The usual number of bones in the human | 5. | The bones of the skul | ll that form a protective | |
| | skeleton is | | covering of the brain | | |
| 11. | List the four major parts of the axial skeleton. | | of | | |
| | J 1 | 6. | Distinguish between diaphysis of a long be | the epiphysis and the | |
| 12 | List the form major ments of the enmandicular | | | | |
| 12. | List the four major parts of the appendicular skeleton. | 7 | Dagamiha vyhana aantil | laca is found on a lang | |
| | skeleton. | 7. | | age is found on a long | |
| | | | bone. | | |
| | | | | | |
| 13. | The only movable bone of the skull is the | | **** | | |
| | | 8. | | ces between the structure | |
| 14. | The bone that forms the back of the skull and | | of compact and spongy bone? | | |
| | joins the skull along the lambdoidal suture is | | | | |
| | thebone. | | | | |
| | A type of vertebral crack or break experienced | | | | |
| | by such athletes as gymnasts and pole vaulters is | 9. | How are these difference | | |
| | <u>a</u> . | | functions of these typ | oes of bone? | |
| 16. | The function of the thoracic cage includes: a. | | | | |
| | production of blood cells, b. contribution to | | | | |
| | breathing, c. protection of heart and lungs,d. | 10. | How do marrow in the | | |
| | support of the shoulder girdle | compare with the marrow in the spaces of the | | | |
| 17. | True ribs articulate with | | spongy bone? | | |
| | and the | Review | v!! Describe each of t | the following (label on a | |
| 18. | The middle body of the sternum is the: a. | diagra | m) | | |
| | manubrium, b. tubercle, c. xiphoid, d. body | Gru | | | |
| 19. | The pectoral girdle is made up of | | A. Osteocyte | D. Volkmannøs Canal | |
| | 2and 2 | | B. Lacunae | E. Canaliculi | |
| 20. | What is commonly referred to as the elbow is | | C. Haversian Canal | F. Osteon | |
| | actually: a the surgical neck of the humerus h | | G. lamellae | | |

| Part II: Organization of the Skeleton | | | 18 | 3. The thoracic and pe | elvic curvatures of the | | |
|---------------------------------------|---|----------------------|--|---|---|--|--|
| 1. | . The extra bones that sometimes develop | | | | re calledcurves. | | |
| | between the flat bones of th | | 19 | Theof the vertebrae | | | |
| | called | | | support the weight | of the head & trunk. | | |
| 2. | The cranium and facial bon | es compose | 20 | 20. The vertebral foramen provides a passageway | | | |
| | the | _ | | for | | | |
| 3. | The | | 21 | 1. The first vertebra is | | | |
| ٠. | the inferior end of the sacru | m is composed of | | the | · | | |
| | several fused vertebrae. | m is composed of | 22 | the 22. The last 2 pairs of ribs that have no cartilaging | | | |
| 4 | Most ribs are attached to the | <u>ج</u> | | attachments to the | sternum are sometimes called | | |
| •• | anteriorly. | | | | ribs. | | |
| 5. | The thoracic cage is compo | sed of pairs | 23 | 3. The medial ends of | the clavicles articulate with | | |
| | of ribs. | r | theof the sternum. | | | | |
| 6. | The scapulae and clavicles | together form | 24. Theis a bone that serves as a | | | | |
| | | | | brace between the s | ce between the sternum and the scapula. | | |
| 7. | The humerus, radius, and _ | articulate | 25 | 5. The pelvic girdle co | onsists of | | |
| , , | to form the elbow joint. | | | two | | | |
| 8 | The wrist is composed of ei | ght hones | 26 | 6. The pubic bones co | ome together anteriorly to | | |
| 0. | called | | form the joint called the | | | | |
| 9 | The | covers | Move | ments | | | |
| ٦. | the anterior surface of the k | | a. | Abduction | k. hypertension | | |
| 10 | The bones that articulate wi | | | Adduction | | | |
| 10. | the tibia and fibula are calle | | | Circumduction | | | |
| 11 | All finger and toe bones are | | | Depression | | | |
| 11. | _ | | | Dorsiflexion | | | |
| 12 | The | | f. | Elevation | p. pronation | | |
| 12. | Thes | suture joins the | σ | Eversion | q. protraction | | |
| 12 | frontal bone to the parietal l | | ج. h | Extension | r. retraction | | |
| 13. | The parietal bones are firm | ly interlocked along | | Flexion | | | |
| | the midline by the | | | Gliding | | | |
| | suture. | | | . Reduces the angle | t. supmation | | |
| 14. | The | suture | | . Elevates heels; tip to | | | |
| 1 | joins the parietal bones to the | • | | . Moves superiorly | | | |
| 15. | The temporal bones are join | | | | Lun toos | | |
| _ | bones along the | sutures. | 4. Dig in heels and pull up toes 5. Two surfaces slide past each other | | | | |
| В. | Match the bones with the c | _ | | | | | |
| | a. inferior nasal concha | e. nasal | | 6. Turns palm from ba | ack to from | | |
| | b. lacrimal | f. palatine | 7. Increases the angle 8. Moving backward on horizontal plane | | | | |
| | c. mandible | g. vomer | | 8. Moving backward | on norizontai piane | | |
| | d. maxillary | h. zygomatic | 9. Moves towards the body | | | | |
| | 1. forms bridge of nose | | 10. Turns palm from front to back | | | | |
| | 2. Only movable bone in the skull | | 11. Move arm in circle | | | | |
| | 3. Contains Coronoid Process | | | 12. Movement of thumb to palm | | | |
| | 4. Creates prominence of cheek inferior | | 13. Moves sole outward | | | | |
| | and lateral to the eye | | 14. Moves inferiorly | | | | |
| | 5. Contains sockets of upper teeth | | | 15. Extends past the anatomical position | | | |
| | 6. Forms inferior portion of nasal septum | | | 16. Movement to the | side | | |
| | 7. Scroll-shaped bone | | | 17. Moves sole inwar | | | |
| | 8. Forms anterior portion of zygomatic | | 18. Vertebral column bends to side | | | | |
| | arch | | | 19. Moving forward on horizontal plane | | | |
| | 9. Forms anterior roof of mouth | | | 20. Moves away from | the body | | |
| | 10. Contains mental for | oramen | | | | | |
| | 11. Forms posterior re | | | REVIEW FRACTURES!! | | | |
| 16. | The vertebral column enclo | | REVI | EW TYPES OF JO | INTS!! | | |
| | | - | | Ball and socket | Gliding | | |
| 17. | the The number of separate bor | es in the vertebral | | Hinge | IMMOVABLE | | |
| | column of an infant is | | | Pivot | | | |
| | | | | | | | |