

Name _____

Date Due _____

Joint Homework

Learning Targets: Define articulation. (knowledge)

1. Define joint. _____
2. Another name for joint is _____.
3. _____ Which of the following is NOT a function of joints?
 - A. movement
 - B. provides room for bones to grow
 - C. protection of internal organs
 - D. increases flexibility of bones during childbirth

Learning Target: List three classes of joints, describe their characteristics, and name an example of each. (knowledge)

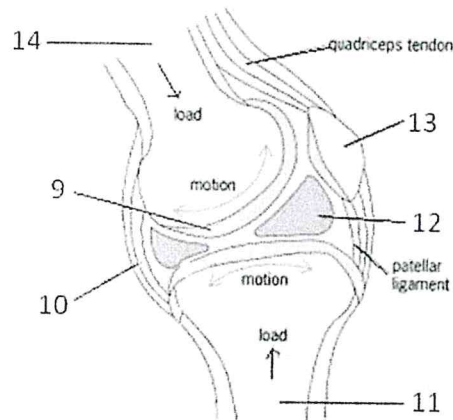
Match the type of joint with its description. More than one letter should be placed on each line.

- | | | |
|------------------------|------------------------------------|--------------------------------------|
| _____ 4. Fibrous | A. Freely movable | F. made of hyaline or fibrocartilage |
| _____ 5. Cartilaginous | B. Slightly movable | G. Example: sutures of the skull |
| _____ 6. Synovial | C. Little to no movement | H. Example: knee |
| | D. A very complex joint | I. Example: intervertebral discs |
| | E. made of dense connective tissue | |

7. Which type of joint is most likely to dislocate? _____

8. Why? _____

Label the diagram of a synovial joint with the following terms: articular cartilage, femur, meniscus, patella, synovial membrane containing synovial fluid, tibia



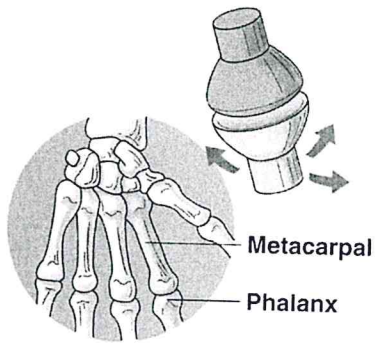
Use your text book, to find out the function of the following:

15. bursa _____

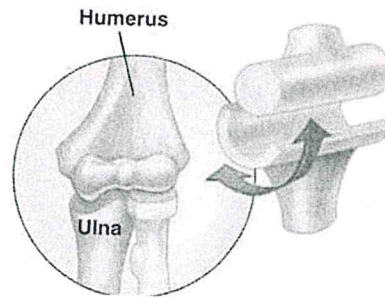
16. Tendon sheath _____

Name the type of synovial joint shown in the picture.

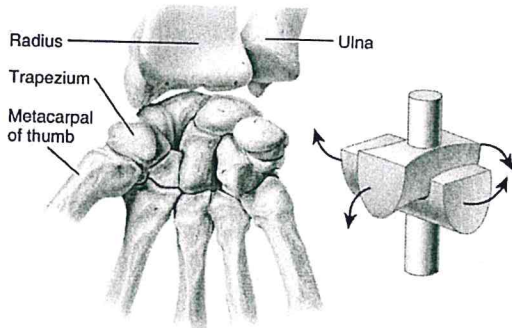
17. _____



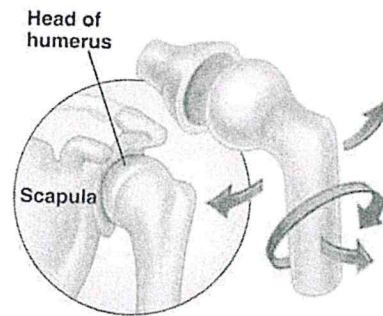
18. _____



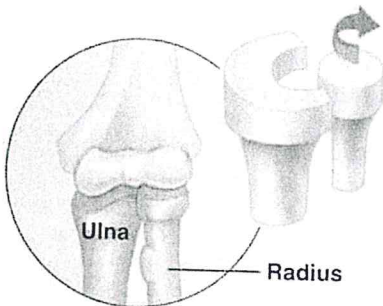
19. _____



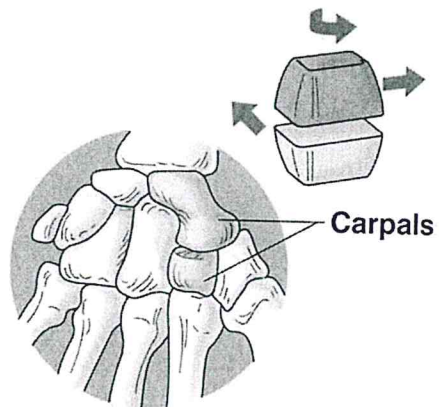
20. _____



21. _____



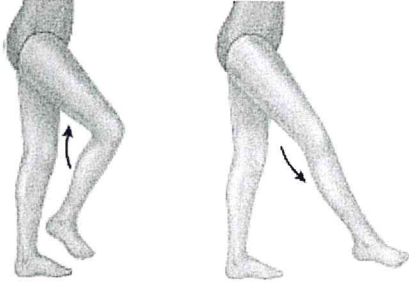
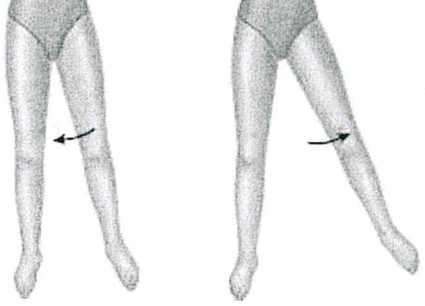

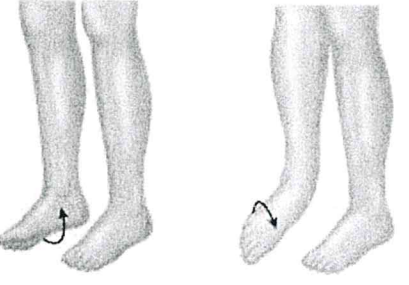
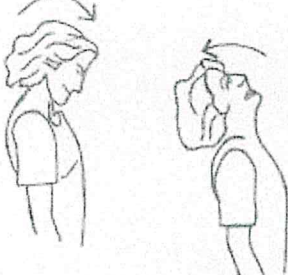
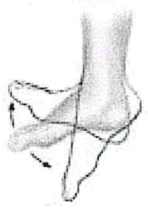
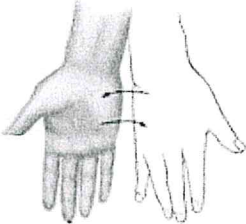
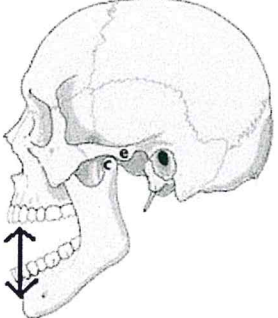
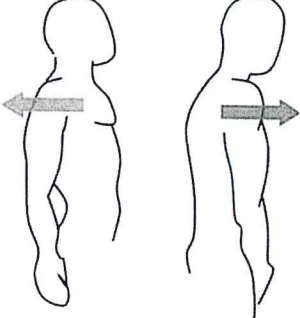
22. _____



Learning Target: Identify several types of joint movements. (knowledge)

Label the diagrams: abduction, adduction, depression, dorsiflexion, elevation, eversion, extension, flexion (2) , hyperextension, inversion, plantar flexion, pronation, protraction , retraction, rotation, supination

*Besides the video, there is more information in the text, including definitions and diagrams.

<p>23. _____ 24. _____</p>  <p>Two diagrams of a person's legs from a side view. The first shows the right leg moving away from the midline (abduction), and the second shows it moving toward the midline (adduction). Arrows indicate the direction of movement.</p>	<p>25. _____ 26. _____</p>  <p>Two diagrams of a person's legs from a front view. The first shows the knee bending (flexion), and the second shows it straightening (extension). Arrows indicate the direction of movement.</p>	<p>27. _____</p>  <p>A diagram of a right arm showing rotation of the forearm around the elbow. Two curved arrows indicate the direction of movement.</p>
<p>28. _____ 29. _____</p>  <p>Two diagrams of a person's feet from a front view. The first shows the foot moving downward (plantar flexion), and the second shows it moving upward (dorsiflexion). Arrows indicate the direction of movement.</p>	<p>30. _____ 31. _____</p>  <p>Two line drawings of a person's head and neck. The first shows the head tilting forward (flexion), and the second shows it tilting backward (extension). Arrows indicate the direction of movement.</p>	<p>32. _____</p>  <p>A diagram of a foot from a top view showing inversion (inner side up) and eversion (outer side up). Arrows indicate the direction of movement.</p> <p>33. _____</p>
<p>34. _____ 35. _____</p>  <p>Two diagrams of a hand from a front view. The first shows the palm facing down (pronation), and the second shows the palm facing up (supination). Arrows indicate the direction of movement.</p>	<p>36. _____</p>  <p>A diagram of a human skull in profile showing the jaw opening (depression) and closing (elevation). A vertical double-headed arrow indicates the range of motion.</p> <p>37. _____</p>	<p>38. _____ 39. _____</p>  <p>Two line drawings of a human torso. The first shows the arm moving forward (protraction), and the second shows it moving backward (retraction). Arrows indicate the direction of movement.</p>