

NAME \_\_\_\_\_

LAB TIME/DATE \_\_\_\_\_

# The Language of Anatomy

## Surface Anatomy

1. Match each of the following descriptions with a key term, and record the term in front of the description.

Key:      brachial                      carpal                      deltoid                      patellar  
             buccal                      cervical                      digital                      scapular

- |                                   |                                  |
|-----------------------------------|----------------------------------|
| _____ 1. cheek                    | _____ 5. anterior aspect of knee |
| _____ 2. referring to the fingers | _____ 6. referring to the arm    |
| _____ 3. shoulder blade region    | _____ 7. curve of shoulder       |
| _____ 4. wrist area               | _____ 8. referring to the neck   |

## Body Orientation, Direction, Planes, and Sections

2. Several incomplete statements are listed below. Correctly complete each statement by choosing the appropriate anatomical term from the key. Record the key terms on the correspondingly numbered blanks below.

Key:      anterior                      inferior                      posterior                      superior  
             distal                      lateral                      proximal                      transverse  
             frontal                      medial                      sagittal

In the anatomical position, the umbilicus and knees are on the 1 body surface; the buttocks and shoulder blades are on the 2 body surface; and the soles of the feet are the most 3 part of the body. The ears are 4 and 4 to the shoulders and 5 to the nose. The breastbone is 6 to the vertebral column (spine) and 7 to the shoulders. The elbow is 8 to the shoulder but 9 to the fingers. The thoracic cavity is 10 to the abdominopelvic cavity and 11 to the spinal cavity. In humans, the ventral surface can also be called the 12 surface; however, in quadruped animals, the ventral surface is the 13 surface.

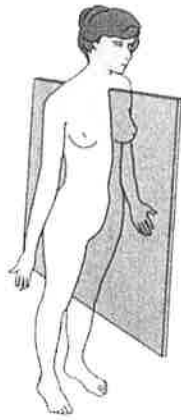
If an incision cuts the brain into superior and inferior parts, the section is a 14 section; but if the brain is cut so that anterior and posterior portions result, the section is a 15 section. You are told to cut a dissection animal along two planes so that the lungs are observable in both sections. The two sections that meet this requirement are the 16 and 17 sections.

- |          |           |           |
|----------|-----------|-----------|
| 1. _____ | 6. _____  | 12. _____ |
| 2. _____ | 7. _____  | 13. _____ |
| 3. _____ | 8. _____  | 14. _____ |
| 4. _____ | 9. _____  | 15. _____ |
| _____    | 10. _____ | 16. _____ |
| 5. _____ | 11. _____ | 17. _____ |

3. A nurse informs you that she is about to give you a shot in the lateral femoral region. What portion of your body should you uncover?

\_\_\_\_\_

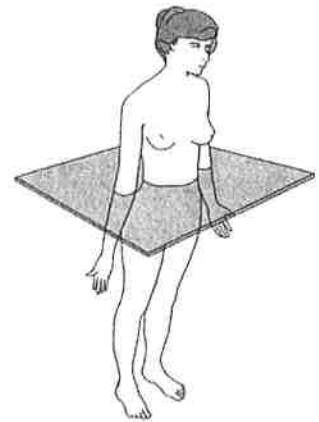
4. Correctly identify each of the body planes by inserting the appropriate term for each on the answer line below the drawing.



1. \_\_\_\_\_



2. \_\_\_\_\_



3. \_\_\_\_\_

## Body Cavities

5. Which body cavity would have to be opened for the following types of surgery? Insert the key term(s) in the same-numbered blank. More than one choice may apply.

Key:      abdominopelvic      dorsal      thoracic  
             cranial                spinal      ventral

1. surgery to remove a cancerous lung lobe

1. \_\_\_\_\_

2. removal of an ovary

2. \_\_\_\_\_

3. surgery to remove a ruptured disk

3. \_\_\_\_\_

4. appendectomy

4. \_\_\_\_\_

5. removal of the gallbladder

5. \_\_\_\_\_

6. Correctly identify each of the described areas of the abdominal surface by inserting the appropriate term in the answer blank preceding the description.

\_\_\_\_\_ 1. overlies the lateral aspects of the lower ribs

\_\_\_\_\_ 2. surrounds the "belly button"

\_\_\_\_\_ 3. encompasses the pubic area

\_\_\_\_\_ 4. medial region overlying the stomach

7. What are the bony landmarks of the abdominopelvic cavity? \_\_\_\_\_

\_\_\_\_\_

8. Which body cavity affords the least protection to its internal structures? \_\_\_\_\_