

Sheet 1 the language of anatomy assignment



R E V I E W S H E E T EXERCISE 1 Print Form The Language of Anatomy

Surface Anatomy 1. Match each of the following descriptions with a key equivalent, and record the key letter or term in front of the description. Key: a. buccal calcaneal 1. 2. 3. c. d. cephalic digital e. f. patellar scapular 4. 5. 6. anterior aspect of knee heel of foot pertaining to the head cheek pertaining to the fingers shoulder blade region 2. Indicate the following body areas on the accompanying diagram by placing the correct key letter at the end of each line. Key: a. b. c. d. e. f. g. h. i. j. k. l. m. n. o. p. . r. abdominal antecubital axillary brachial cervical crural femoral fibular gluteal inguinal lumbar occipital oral popliteal pubic sural thoracic umbilical 3. Classify each of the terms in the key of question 2 above into one of the large body regions indicated below. Insert the appropriate key letters on the answer blanks. 1. appendicular 2. axial Body Orientation, Direction, Planes, and Sections 4. Describe completely the standard human anatomical position.

_____ 3 5. Define section.

_____ 6. Several incomplete statements are listed below.

Correctly complete each statement by choosing the appropriate anatomical term from the key. Record the key letters and/or terms on the correspondingly numbered blanks below. Key: a. b. c. anterior distal frontal d. e. f. inferior lateral medial g. h. i. posterior proximal sagittal j. k. superior transverse In the anatomical position, the face and palms are on the 1 body surface; the buttocks and shoulder blades are on the 2 body surface; and the top of the head is the most 3 part of the body.

The ears are 4 and 5 to the shoulders and 6 to the nose. The heart is 7 to the vertebral column (spine) and 8 to the lungs. The elbow is 9 to the fingers but 10 to the shoulder. The abdominopelvic cavity is 11 to the thoracic cavity and 12 to the spinal cavity. In humans, the dorsal surface can also be called the 13 surface; however, in quadruped animals, the dorsal surface is the 14 surface. If an incision cuts the heart into right and left parts, the section is a 15 section; but if the heart is cut so that superior and inferior portions result, the section is a 16 section.

You are told to cut a dissection animal along two planes so that both kidneys are observable in each section. The two sections that will always meet this requirement are the 17 and 18 sections. A section that demonstrates the continuity between the spinal and cranial cavities is a 19 section. 1. 2. 3. 4.

5. 6. 7. 7. Correctly identify each of the body planes by inserting the appropriate term for each on the answer line below the drawing. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. (a) (b) (c) 4 Review Sheet 1 . Name each of the three different planes represented by the drawings of the sectioned kidney.

9. Correctly identify each of the nine areas of the abdominal surface by inserting the appropriate term for each of the letters indicated in the drawing. a. b. c. d. e. (b) (a) (c) (d) (e) (f) (g) (h) (i) f. g. h. i. Body Cavities 10.

Which body cavity would have to be opened for the following types of surgery or procedures? (Insert letter of key choice in same-numbered blank. More than one choice may apply.) Key: a. . abdominopelvic cranial 1. 2. 3. c. d. dorsal spinal e. f. thoracic ventral 4. 5. 6. appendectomy stomach ulcer operation delivery of pre-operative “ saddle” anesthesia Review Sheet 1 5 surgery to remove a cancerous lung lobe removal of the uterus, or womb

removal of a brain tumor 11. Name the muscle that subdivides the ventral body cavity. _____

12. Which organ system would not be represented in any of the body cavities?

_____ 13.

What are the bony landmarks of the abdominopelvic cavity?

_____ 14. Which body cavity affords the least protection to its internal structures?

_____ 15. What is the function of the serous membranes of the body?

_____ 16.

Using the key choices, identify the small body cavities described below. Key:

a. middle ear cavity b. nasal cavity c. oral cavity d. orbital cavity e. synovial cavity _____ 4. _____ 5. contains the tongue lines a joint

cavity _____ 1. _____ 2. _____ 3. holds the

eyes in an anterior-facing position houses three tiny bones involved in

hearing contained within the nose 17. On the incomplete flowchart provided

below: ??? Fill in the cavity names as appropriate to boxes 3??? 8. Then,

using either the name of the cavity or the box numbers, identify the

descriptions in the list that follows. Body cavities 1Dorsal body cavity 2

Ventral body cavity 3 (superior) cavity 4 (inferior) cavity 5 (superior) cavity 6

(inferior) cavity 7 (superior) cavity 8 (inferior) cavity a. b. c. d. contained

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within the skull and vertebral column houses female reproductive organs the most protective body cavity its name means belly e. f. g. h. contains the heart contains the small intestine bounded by the ribs its walls are muscular

6 Review Sheet 1