

PART I. Check Your Understanding

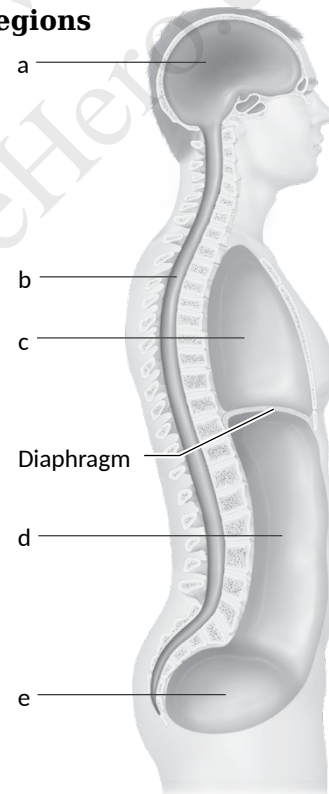
Activity 1: Identifying Body Regions and Exploring Surface Anatomy

- Which of the following terms is correctly matched to its description?
 - manual—pertaining to the palm
 - crural—pertaining to the calf
 - acromial—pertaining to the chest
 - mental—pertaining to the chin
 - femoral—pertaining to the leg
- Another term for the wrist is the:
 - crural region.
 - femoral region.
 - popliteal region.
 - sural region.
 - carpal region.

Activity 2: Identifying Body Cavities and Abdominopelvic Regions

- Identify the three ventral body cavities and the two dorsal body cavities in the following diagram. Then, name one organ found in each cavity.

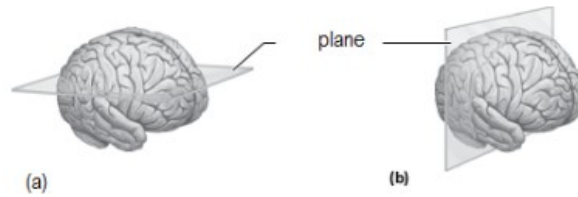
a. <u>Cranial Cavity</u>	<u>Brain</u>
b. <u>Vertebral Cavity</u>	<u>Spinal Cord</u>
c. <u>Pleural cavities</u>	<u>Lungs</u>
d. <u>Abdominal Cavity</u>	<u>large intestines</u>
e. <u>Pelvic Cavity</u>	<u>Bladder</u>
- The spleen is located in the _____ abdominopelvic region.
 - left hypochondriac
 - umbilical
 - hypogastric
 - right hypochondriac
 - epigastric
- A bullet that lodges in the heart would:
 - be located in the ventral body cavity.
 - penetrate the visceral peritoneum.
 - be located in the vertebral cavity.
 - penetrate the parietal pleura.
 - be located laterally to a bullet that lodges in the lung.



Activity 3: Demonstrating and Identifying Body Planes of Section

1. Identify the planes of section shown in the following diagrams:

- a. *Transverse plane*
b. *Sagittal plane*



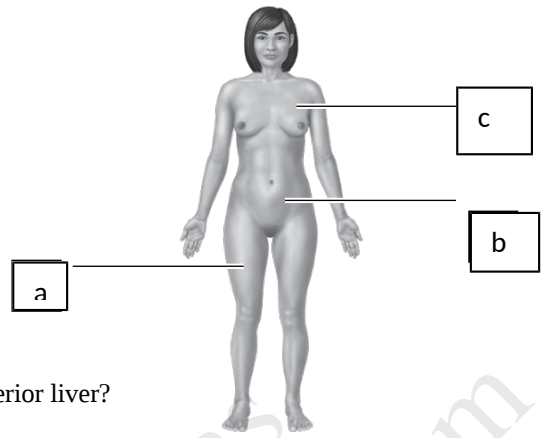
2. Which of the following organs could not be viewed in a midsagittal section through the body?

- a. the brain
b. the heart
c. the lung
d. the diaphragm
e. the pancreas

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Activity 4: Assisting the Coroner

- For each of the wound descriptions below, mark the diagram with an “a,” “b,” and “c” to represent the location of each wound:
 - a cut in the medial part of the right femoral region
 - a wound in the left iliac region
 - bruising in the left thoracic region, midway between the sternal and axillary regions



- Which phrase correctly describes a stab wound that penetrates the anterior liver?
 - medial to the sternum
 - inferior to the rib cage
 - superior to the left inguinal region
 - in the right lower quadrant

PART I. Check Your Understanding

Activity 1: Locating and Describing Major Organs and Their Functions

- Which of the following organs belong(s) to more than one organ system?
 - ureter
 - larynx
 - esophagus
 - kidney
 - pituitary gland
- Which of the following organ systems is correctly matched with one of its functions?
- Which of the following pairs of organ systems functions primarily to regulate body functions?

4. Immunity is carried out primarily by which of the following pairs of organ systems?

5. Which organ:

- _____ a. transports blood to the heart?
trachea _____ b. is commonly known as the windpipe?
_____ c. transports food from the pharynx to the stomach?
_____ d. stores urine?
_____ e. produces sperm?

Activity 2: Using Anatomical Terminology to Describe Organ Locations

1. Complete the following chart:

Organ	Organ System to Which It Belongs	Dorsal Body Cavity or Ventral Body Cavity?	Specific Body Cavity
Brain	Nervous System	Dorsal	Cranial Cavity
Gallbladder	Digestive System	Ventral	Abdominal Cavity
Heart	Cardiovascular System	Ventral	Pericardial Cavity
Skin	Integumentary System	Dorsal	
Urinary bladder	Urinary System	Ventral	Pelvic cavity

2. Complete each of the following statements with an accurate directional term:

- a. The thymus is deep to the thyroid gland.
b. The pituitary gland is lateral to the brain.
c. The liver is medial to the gallbladder.
d. The sternum is superficial to the heart.

e. The esophagus is _____ proximal _____ to the heart.

3. In which abdominopelvic region is each of the following organs predominantly found?

- | | |
|----------------------------|--------------------|
| <u>Epigastric region</u> | a. Liver |
| <u>Hypogastric region</u> | b. Urinary bladder |
| <u>Left lumbar region</u> | c. Spleen |
| <u>Umbilical region</u> | d. Stomach |
| <u>Right lumbar region</u> | e. Right kidney |

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