

## CONCEPT: BODY CAVITIES

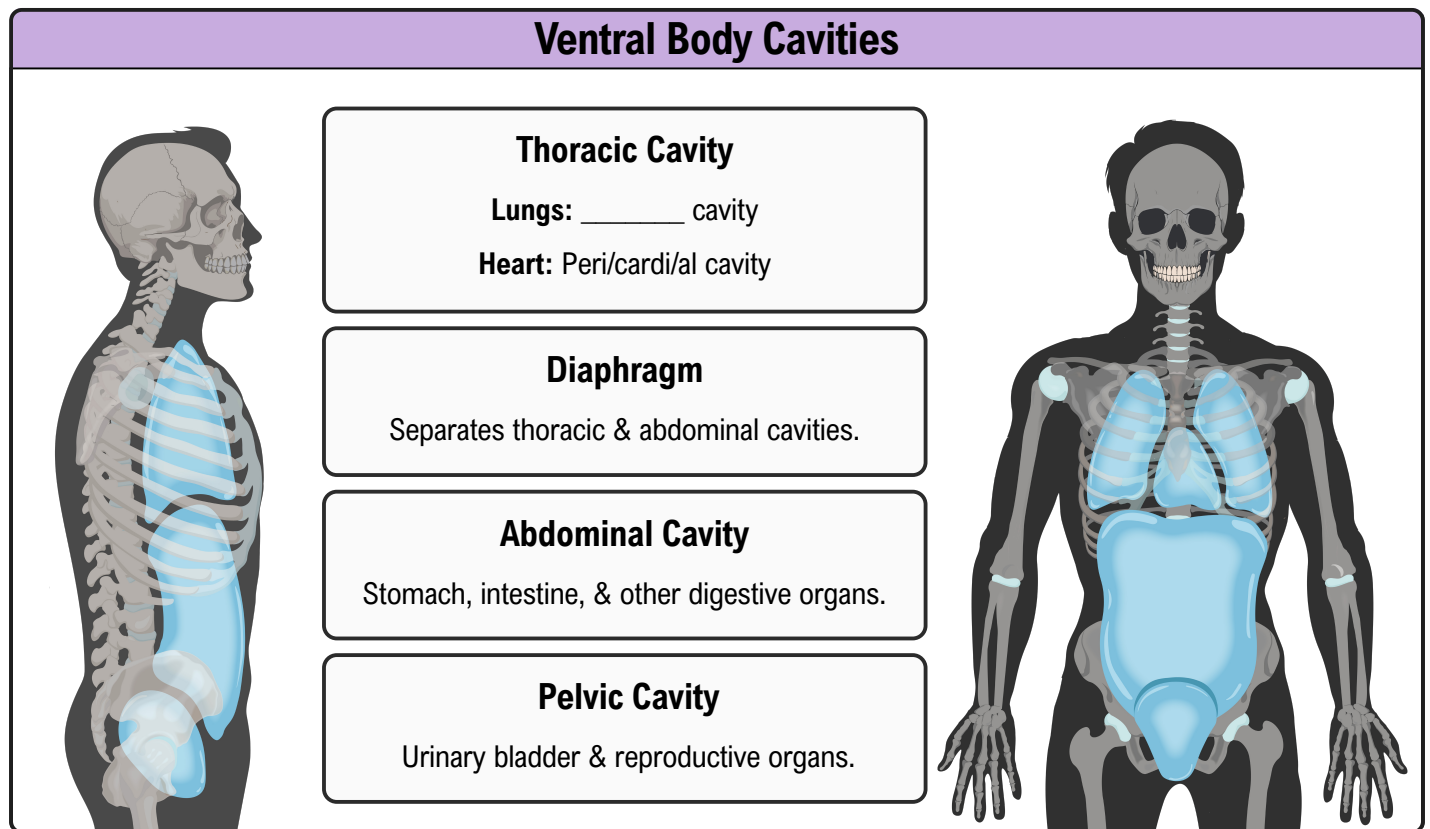
### Introduction to Body Cavities

- ◆ Hollow spaces that house \_\_\_\_\_ organs.
  - Protect, support, and \_\_\_\_\_ organs.
- ◆ Body cavities are classified into 2 groups:
  - **Ventral (Anterior):** \_\_\_\_\_ of the body.
  - **Dorsal (Posterior):** \_\_\_\_\_ of the body.



### Ventral Body Cavities

- ◆ Chest, abdomen, and pelvis.



**MEMORY TOOL:** Pleural → \_\_\_\_\_.

### EXAMPLE

Identify each of the following organs as housed in the thoracic (T), abdominal (A), or pelvic (P) cavity.


- a) \_\_\_\_ Stomach
- b) \_\_\_\_ Heart
- c) \_\_\_\_ Urinary bladder
- d) \_\_\_\_ Intestines
- e) \_\_\_\_ Lungs

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### Dorsal Body Cavities

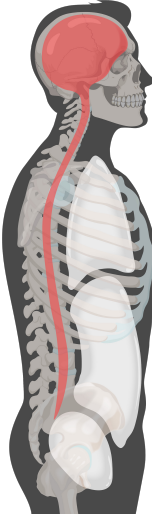
### Dorsal Body Cavities

- **Cranial Cavity:** space inside the \_\_\_\_\_, contains the brain.



Crown on a \_\_\_\_\_.

- **Spinal Cavity:** contains the spinal cord & spinal fluid.



### EXAMPLE

Which of the following cavities are grouped under dorsal cavities?

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- |                       |                  |
|-----------------------|------------------|
| a) Pericardial cavity | c) Spinal cavity |
| b) Pleural cavities   | d) Pelvic cavity |

### PRACTICE

Which of the following statements is incorrect about the body cavities?

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- a) The pleural cavity contains the heart.
- b) The organs of the central nervous system are in the dorsal cavities.
- c) Stomach and intestines are inside the abdominal cavity.
- d) Thoracic cavity contains pleural and pericardial cavities.