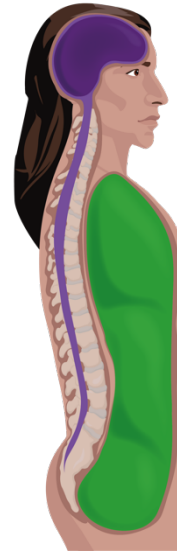


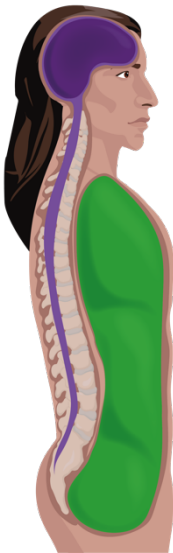
TOPIC: ORGANIZATION OF THE BODY: BODY CAVITIES

Introduction to Body Cavities

- Bodies are highly organized—organs are housed in _____ areas.
- **Body Cavity:** space within the body, _____ main cavities:
 1. **Anterior Cavity** (ventral cavity): houses the _____ organs.
 - **Viscera:** organs of the chest and abdomen.
 2. **Posterior Cavity** (dorsal cavity): houses the _____ and spinal cord.
 - Contains the cranial and vertebral cavities.
 - *Sometimes not considered a true cavity*



EXAMPLE: Name at least one organ that is located in each cavity.



Anterior cavity: _____

Posterior cavity: _____

PRACTICE: During a dissection, three of the following organs can be observed by making a single large incision. One cannot be observed by that same incision. Which organ would require its own incision to observe?

a) Stomach

b) Liver

c) Pancreas

d) Brain

TOPIC: ORGANIZATION OF THE BODY: BODY CAVITIES

Anterior Body Cavity

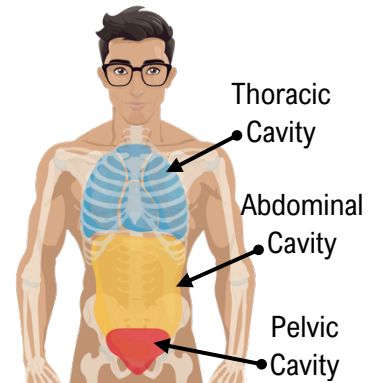
- Anterior cavity: Houses most organs. ____ major sections—divided by the diaphragm.

1. **Thoracic Cavity:** _____ cavity; above diaphragm.

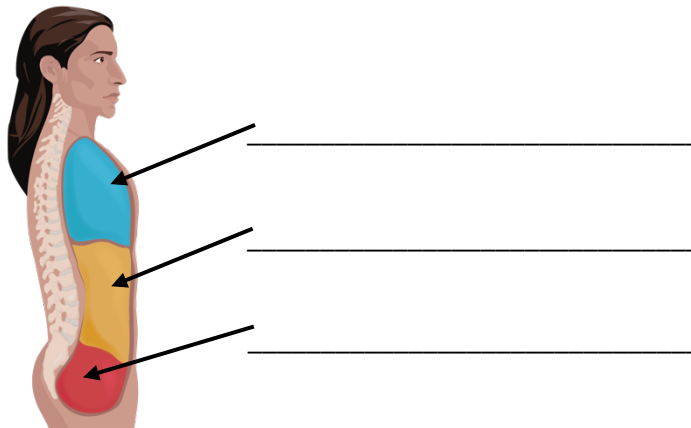
- Contains the _____ & lungs.
- Protected by the rib cage and sternum.

2. **Abdominopelvic Cavity:** the abdomen and _____; below diaphragm.

- _____ cavity: Most digestive organs and kidneys: no bony protection.
- _____ cavity: Bladder and internal reproductive organs: housed within pelvis.



EXAMPLE: Label the cavities within the anterior cavity and list one organ found in each:



PRACTICE: What are the two subdivisions of the anterior body cavity?

- a) Abdominal and pelvic.
- b) Thoracic and abdominopelvic.
- c) Dorsal and ventral.
- d) Pleural and thoracic.

PRACTICE: Boxers are taught to tense their muscles to protect themselves from the impact of punches. This is especially true for punches to the abdomen. Why do you think this is the case?

- a) The abdominal cavity holds the body's most sensitive organs.
- b) The abdominal cavity lacks bony protection.
- c) The muscles surrounding the abdominal cavity are larger than muscles around any other part of the body.
- d) Both A and B are correct.