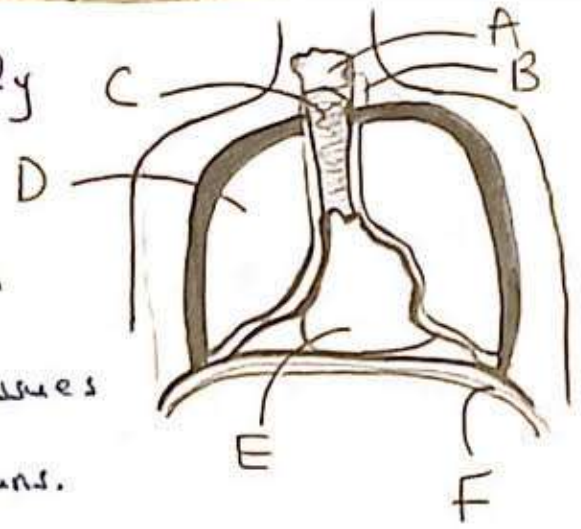


Organisation of the Body

Organisation

1. Cell : Smallest unit in the body
2. Tissues : Group of similar cells
3. Organs : Group of different tissues
4. Systems : Group of different organs.



→ Major Systems in the Body :- Examples :-

1. The Digestive System : takes food into the body and breaks it down to be absorbed into the bloodstream.
2. The Nervous System : carries electrical messages to and from the brain and spinal cord.
3. The Respiratory System : Controls breathing, a process by which air enters and leaves the body.

→ Body Cavities :-

What is a body cavity?

o A body cavity is a space that contains organs.

Examples :-

1. Cranial Cavity : located in the head and surrounded by the skull. It contains the brain and other organs such as the pituitary gland.
2. Thoracic Cavity : also known as the chest cavity; it is surrounded by the breast bone and ribs. The lungs, heart, windpipe (trachea), bronchial tubes, and other organs are in this cavity.
3. Abdominal Cavity : is the space below the thoracic cavity.

o Divisions of the Back o

1. Cervical → C1 - C7
2. Thoracic → T1 - T12
3. Lumbar → L1 - L5
4. Sacral → S1 - S5
5. Coccygeal

} Both the sacral and coccygeal regions have fused bones, meaning they don't contain cartilage.

Labels :-

- A : Larynx
B : Esophagus
C : Trachea
D : Lung
E : Heart
F : Diaphragm.

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