

RAT DISSECTION PRE LAB

Introduction:

The rat is a vertebrate, which means that many aspects of its structural organization are common with all other vertebrates. In a way, studying the rat is like studying a human.

As the leading theme of this lab, remind yourself *for every structure observed in the rat, there is an equivalent structure in your own body - what is the structure and where is it located.*

As the second leading theme, pay particular attention to the relationships among organs and groups of organs. Structural parts are not "just there" in random locations. Their specific layout within the body contributes to making certain functions possible. Therefore, for every structure seen, you should determine the following:

- What organ system it belongs to
- How it is connected with other components
- Its general/specific function

Identify the following areas on the rat at the right:

A	
B	
C	
D	
E	

Dorsal

Ventral

Anterior

Posterior

Caudal - toward the tail end

Lateral - to the side

The rat's body is divided into six anatomical regions. Identify the following regions on the rat diagram at the right:

cranial region - head

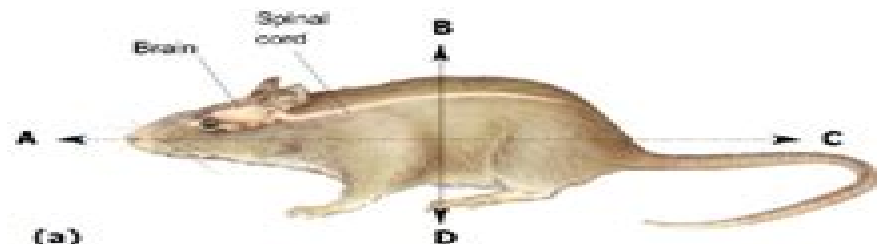
cervical region - neck

pectoral region - area where front legs attach

thoracic region - chest area

abdomen - belly

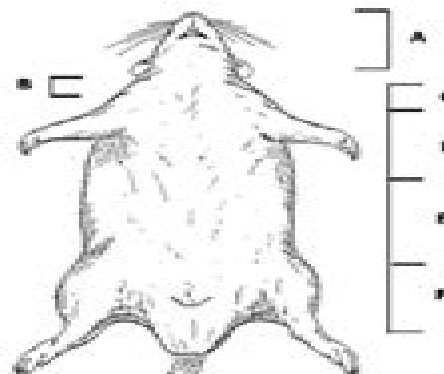
pelvic region - area where the back legs attach



(a)



(b)



A	
B	
C	
D	
E	
F	

Rat White Background For Dissection Lab Report

Lei Huang

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the name bar.

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