

**Lab 1: Anatomical Terms, Body Cavities, & Organ Systems**

The first two chapters (Exercise 1+2) introduce you to some of the terminology associated with the human body. Learning and using this terminology is crucial to avoid confusion and communicate clearly and precisely, particularly in a medical setting.

We do not have human cadavers available for study, but because of our close evolutionary link to other mammals there is a great degree of similarity in the anatomy of humans and other mammals. Observe the non-human mammals available and identify the major body cavities and organs.

**A. Give the correct anatomical term for each of the following body regions**

forearm	_____	head	_____
shin	_____	chest	_____
hand	_____	sole	_____
hip	_____	neck	_____
cheek	_____	anterior knee	_____
thumb	_____	posterior knee	_____
shoulder blade	_____	ear	_____
breastbone	_____	eye	_____
armpit	_____	groin	_____
ankle	_____	chin	_____

**B. Specify the relationship between the following structures using correct directional terminology.** Keep in mind that when describing the limbs, the use of “proximal” and “distal” is preferred over “superior” and “inferior”.

The pedal region is \_\_\_\_\_ to the crural region.

The femoral region is \_\_\_\_\_ to the patellar region.

The pubic region is \_\_\_\_\_ to the umbilical region.

The brachial region is \_\_\_\_\_ to the antebrachial region.

The cephalic region is \_\_\_\_\_ to the cervical region.

The vertebral region is \_\_\_\_\_ to the umbilical region.

The oral region is \_\_\_\_\_ to the nasal region.

The carpal region is \_\_\_\_\_ to the antebrachial region.

The pubic region is \_\_\_\_\_ to the sacral region.

The otic region is \_\_\_\_\_ to the buccal region.

The pelvic region is \_\_\_\_\_ to the coxal region.

**C. Name the major organs in each body cavity and which organ systems they belong to.** The number of lines does not necessarily correspond to the number of organs you should name.

Body Cavity	Organ	Organ System
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Dorsal		

Thoracic		

Abdominopelvic		

Orbital		
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