

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.

Observe the cadavers and models available. 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	_____
breastbone	_____	eye	_____
armpit	_____	groin	_____
ankle	_____	chin	_____
ear	_____	shoulder blade	_____

B. Specify the relationship between the following structures using correct directional terminology. Keep in mind that when describing the limbs, use proximal and distal instead of superior and inferior. Also, some of these have two correct answers (ex. medial and anterior/ventral)

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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Cadaver Surface Anatomy Labeling Exercise:

Using the numbered T-pins provided for you, stick the correct numbered pin into the skin of the corresponding body part on either the supine or prone cadaver. All the pins may not be used, and don't worry about if you need to label a right or a left example. Also, don't worry about if the pin is in the male or the female cadaver if it is possible to pin a body surface area on both.

This labeling exercise will also give you a hands on chance to inspect the surface anatomy of the cadaver for signs of illness, injury, and medical devices that may still be in or were removed. Palpate the whole cadaver. Document any interesting findings into the male and female cadaver log books. Don't put the pins in the eyeball or eardrum please !!!

1. Frontal
2. Orbital
3. Nasal
4. Buccal
5. Oral
6. Mental
7. Otic
8. Occipital
9. Cervical
10. Sternal
11. Axillary
12. Mammary
13. Umbilical
14. Abdominal
15. Inguinal
16. Pelvic
17. Pubic
18. Perineal
19. Acromial
20. Brachial
21. Antecubital
22. Antebrachial
23. Olecranal
24. Carpal
25. Palmar
26. Pollex
27. Digital (on the hand)
28. Coxal
29. Femoral
30. Patellar
31. Popliteal
32. Crural
33. Sural
34. Fibular (Peroneal)
35. Tarsal
36. Calcaneal
37. Digital (on the foot)
38. Plantar
39. Hallux
40. Scapular
41. Vertebral
42. Lumbar
43. Sacral
44. Gluteal
45. RUQ of Abdomen
46. RLQ of Abdomen
47. LUQ of Abdomen
48. LLQ of Abdomen