

Lab exercises 1.2

Here are a bunch anatomical adjectives (followed in parentheses by the noun version of the same term). For each, use your smart phone or laptop or whatever is most convenient to you to find what body part the term refers to. (Shortcut hint: the Google search engine will return definitions for words if you type “define: word” in the search box, leaving out the quotation marks.)

Write down the body part or body region next to each term. Use **Figure 1.4** to help you make sure you have the correct definition, but look up each definition to make sure you are being accurate.

1. Find the body part or region indicated by each of the following terms. Use everyday language to describe the part or region. (Forearm, belly, etc.)

Abdominal (abdomen) _____ Acromial (acromion) _____

Antebrachial (antebrachium) _____ Antecubital (antecubitis) _____

Auricle (auris) _____ Axillary (axilla) _____

Brachial (brachium) _____ Buccal (bucca) _____

Carpal (carpus) _____ Cephalic (cephalus) _____

Cervical (cervicis) _____ Coxal (coxa) _____

Cranial (cranium) _____ Crural (crus) _____

Digital (digit) _____ Dorsal (dorsa) _____

Facial (facies) _____ Femoral (femur) _____

Frontal (frons) _____ Gluteal (gluteus) _____

Inguinal (inguen) _____ Lumbar (lumbus) _____

Mammary (mamma) _____ Manual (manus) _____

Mental (mentis) _____ Nasal (nasus) _____

Olecranal (olecranon) _____ Oral (oris) _____

Ocular (oculus) _____ Palmar (palma) _____

Patellar (patella) _____ Pelvic (pelvis) _____

Plantar (planta) _____ Popliteal (popliteus) _____

Pubic (pubis) _____ Sacrum (sacral) _____

Sural (sura) _____ Tarsal (tarsus) _____

Thoracic (thorax) _____ Umbilical (umbilicus) _____

Lab exercises 1.3

- Fill in the blank with the appropriate directional term to complete the following sentences. More than one answer may be correct.
 - The heart is _____ to the lungs.
 - The knee is _____ to the hip.
 - The wrist is _____ to the hand.
 - The mouth is _____ to the nose.
 - The thorax is _____ to the abdomen.
 - The thumb is _____ to the ring finger.
 - The sternum is _____ to the heart.
 - The skull is _____ to the scalp.
 - The ears are _____ to the nose.
 - Dorsal refers to the _____ of the human body, while ventral refers to the _____ of the human body.
- Find the indicated structures in the diagrams provided, based on the directional terms given. The structure to find will be one of those at the end of an unlabeled line.
 - Label the **extensor digitorum muscle** in the figure below. It is:
 - Distal to the anconeus muscle
 - Lateral to the extensor digiti minimi muscle
 - Superficial to the Extensor pollicis brevis muscle

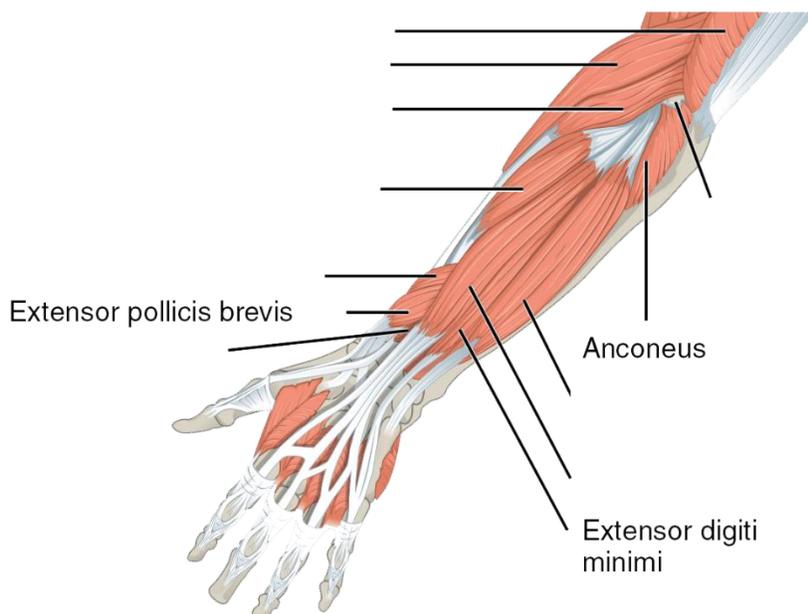
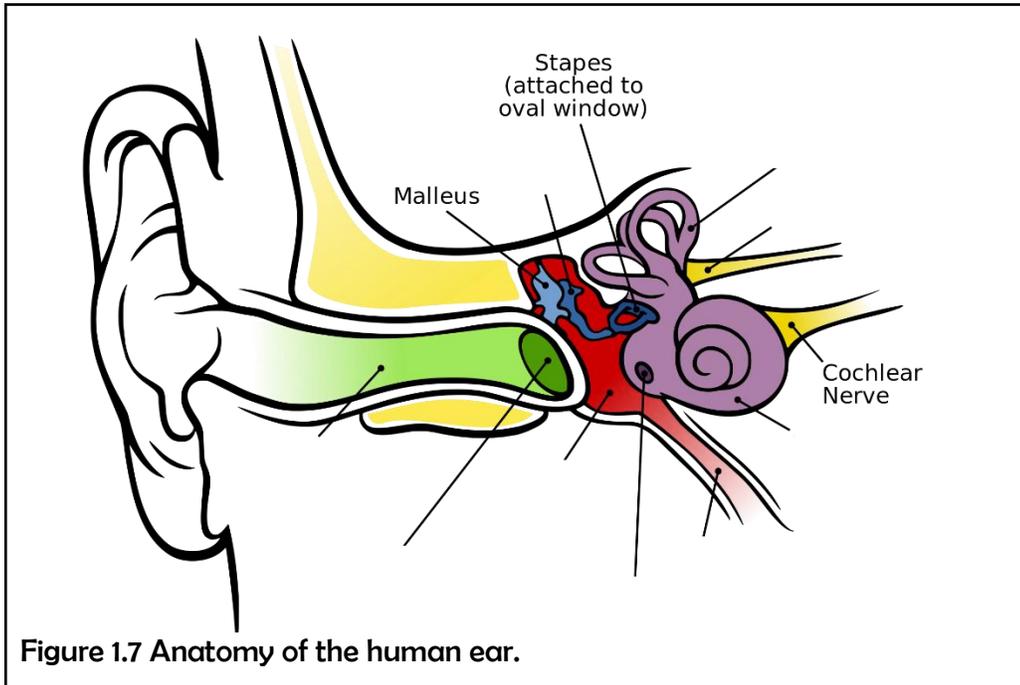


Figure 1.6 Muscles of the forearm.

- ii) Label the **Incus** in the figure below. It is:
Superior to the lateral end of the cochlear nerve
Medial to the malleus
Lateral to the stapes



3. Using your knowledge of the different body planes shown in **Figure 1.2**, fill in the appropriate body plane for each of the following descriptions.
- The plane that divides the body into anterior and posterior parts is the _____ plane.
 - A transverse plane divides the body into _____ and _____ regions.
 - A _____ or _____ plane divides the body into right and left parts.

Lab exercises 1.4

1. Fill in the blank with the appropriate body cavity.

- i. The two main body cavities are the _____ and the _____ cavities.
- ii. The stomach is found in the _____ cavity.
- iii. The heart is found in the _____ cavity, which is part of the _____ cavity.
- iv. The brain is found within the _____ cavity which is part of the _____ cavity
- v. The urinary bladder and reproductive organs are found within the _____ cavity.

Lab exercises 1.5

1. For each of the following organs, identify the organ system to which it belongs. There is one organ which belongs to two organ systems; in that case, list them both.

Brain	_____	Ovaries	_____
Cartilage	_____	Pancreas	_____ & _____
Skin	_____	Spleen	_____
Heart	_____	Kidneys	_____
Lungs	_____	Testes	_____
Mammary glands	_____	Gall bladder	_____
Thymus	_____	Pituitary gland	_____

Lab exercises 1.6

- Use Google on your smartphones, the texts lying around the lab, and any other resource you like to complete the table below using the half-torso models in the lab.

Each cell in the table below must have:

- An identifying number (from the green sticker)
- Organ name (that corresponds to the number on the sticker attached to that organ)
- Organ system name the organ belongs to (from list on p10 lab manual.)

a.	a.	a.	a. 29	a.
b. Adrenal	b.	b. Anus	b.	b. Heart
c.	c. Nervous	c. Digestive	c.	c.
a. 3	a.	a. 8	a.	a. 2
b.	b. Liver	b.	b. Pancreas	b.
c.	c.	c.	c.	c.
a.	a. 20	a.	a. 14	a.
b. Uterus	b.	b. Right lung	b.	b. Larynx
c.	c.	c.	c.	c.
a. 7	a.	a. 30	a.	a. 6
b.	b. Submandibular salivary gland	b.	b. Large intestine	b.
c.	c.	c.	c.	c.
a.	a. 10	a.	a. 15	a.
b. Trachea	b.	b. Appendix	b.	b. Vena cava
c.	c.	c.	c.	c.
a. 1	a.	a. 27	a.	a. 28
b.	b. Ovaries	b.	b. Pituitary gland	b.
c.	c.	c.	c.	c. Urinary