

Anatomical Terms

1. Describe and define the *anatomical position*

2. Define each of the following *terms to describe anatomical relationships and comparisons*.

Term	Definition/Notes
<i>Superior (Cranial)</i>	
<i>Inferior (Caudal)</i>	
<i>Anterior (Ventral)</i>	
<i>Posterior (Dorsal)</i>	
<i>Proximal</i>	
<i>Distal</i>	
<i>Medial</i>	
<i>Lateral</i>	
<i>Superficial</i>	
<i>Deep</i>	

Describe the *anterior anatomical body regions*

Term (noun)	Definition/Notes	Adjective
<i>Cephalon*</i>		Cephalic
<i>Cranium</i>		Cranial
<i>Facies</i>		Facial
<i>Frons</i>		Frontal
<i>Oculus</i>		Ocular
<i>Auris</i>		Aural or Otic
<i>Bucca</i>		Buccal
<i>Nasus</i>		Nasal
<i>Oris</i>		Oral
<i>Mentis</i>		Mental
<i>Cervicis*</i>		Cervical
<i>Thoracis</i>		Thoracic

Term (noun)	Definition/Notes	Adjective
<i>Mamma</i>		Mammary
<i>Abdomen</i>		Abdominal
<i>Umbilicus</i>		Umbilical
<i>Pelvis</i>		Pelvic
<i>Inguen</i>		Inguinal
<i>Pubis</i>		Pubic
<i>Axilla</i>		Axillary
<i>Brachium*</i>		Brachial
<i>Antecubitis</i>		Antecubital
<i>Antebrachium*</i>		Antebrachial
<i>Carpus*</i>		Carpal
<i>Manus</i>		Manual
<i>Palma</i>		Palmar
<i>Pollex</i>		
<i>Digits*</i>		Digital
<i>Femur*</i>		Femoral
<i>Patella</i>		Patellar
<i>Crus</i>		Crural
<i>Tarsus</i>		Tarsal
<i>Pes</i>		Pedal
<i>Hallux</i>		

Describe the *posterior anatomical body regions* and locate them on models and figures.

Term (noun)	Definition/Notes	Adjective
<i>Cephalon*</i>		Cephalic
<i>Cervicis*</i>		Cervical
<i>Acromion</i>		Acromial
<i>Dorsum</i>		Dorsal
<i>Lumbus</i>		Lumbar
<i>Gluteus</i>		Gluteal
<i>Olecranon</i>		Olecranal
<i>Popliteus</i>		Popliteal
<i>Sura</i>		Sural

<i>Calcaneus</i>		Calcaneal
<i>Planta</i>		Plantar
Fibular		
Peroneal		
*can be seen from both anterior and posterior views		

Define and identify the three main anatomical *planes* and *sections* on models and figures.[x rays, MRI, CT SCANN]

Longitudinal sections: *sagittal plane* _____ *frontal (coronal)*

plane _____ **Transverse (cross) section:** *transverse (horizontal)*

plane _____ **Oblique section** _____

Describe and identify the *major body cavities and their subdivisions* on figures and models, and identify the *major organs* located in each.

Cavity	Subdivision		Definition	Major organs
<i>Dorsal</i> <i>(posterior)</i> <i>body cavity</i>	cranial			
	spinal (vertebral)			
<i>Ventral</i> <i>(anterior)</i> <i>body cavity</i>	thoracic	<i>pleural</i>		
		<i>pericardial</i>		
	Abdominopelvic (peritoneal)	<i>abdominal</i>		

		<i>pelvic</i>		
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Identify the *nine abdominopelvic regions* on figures and models, and identify the *major organs* found in each.

	<i>Abdominopelvic Regions</i>	<i>Major organs</i>
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		

Define a *serous membrane* and state its functions.

Distinguish between the *parietal layer* and *visceral layer* of a serous membrane on figures and models, and state the function of each.

Identify the *serous membranes* of the *ventral body cavity* on figures and models, and state the function of each.

Structure	Part of Structure	Definition & Function
<i>Pericardium</i>	<i>parietal pericardium</i>	
	<i>visceral pericardium</i>	
<i>Pleura</i>	<i>parietal pleura</i>	
	<i>visceral pleura</i>	
<i>Peritoneum</i>	<i>parietal peritoneum</i>	
	<i>visceral peritoneum</i>	

Review the following *structures of a eukaryotic cell* on figures and models, and state the function of each

Structure	Physical Features/Notes	Function
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<i>Cell membrane</i>		
<i>Nucleus</i>		
<i>Nuclear envelope</i>		
<i>Nucleolus</i>		
<i>Ribosome</i>		
<i>Rough endoplasmic reticulum</i>		
<i>Smooth endoplasmic reticulum</i>		
<i>Mitochondria</i>		
<i>Golgi apparatus</i>		
<i>Cytosol</i>		
<i>Centriole</i>		
<i>Lysosome</i>		
<i>Desmosome & hemidesmosome (cell junction)</i>		

Epithelial and Connective Tissues Histology of Muscle Tissue Histology of Nervous Tissue

1. Define *tissues* _____
2. Define *histology* _____
3. List the physical characteristics, functions and locations of each of the *4 major tissue types*

Tissue type	Physical Features	Functions	Locations	Cells found/form
<i>Epithelial tissue</i>				
<i>Connective tissue:</i>				
Connective tissue proper				
Cartilage				
Bone				

Blood				
<i>Muscle tissue</i>				
<i>Nervous tissue</i>				

Epithelial Tissues

4. Identify the following *epithelial tissues* on **histology slides**. List the physical features, locations and functions of each.

Type of Tissue	Physical Features	Functions	Locations	Cells type
<i>Simple squamous</i> (not teased)				
<i>Simple cuboidal</i>				
<i>Simple columnar</i>				
<i>Stratified squamous</i>				
<i>Stratified squamous, keratinized</i>				

<i>Pseudostratified columnar</i>				
<i>Transitional</i>				

Connective Tissues

Identify the following *connective tissues proper* on **histology slides**. List the physical features, locations and functions of each.

Type of Tissue	Physical Features	Functions	Locations	Cells
<i>Areolar</i>				
<i>Adipose</i>				
<i>Reticular</i>				
<i>Dense regular (Fibrous)</i>				
<i>Dense irregular</i>				
<i>Elastic</i>				

Identify *blood* tissue on **histology slides**. List its physical features, location and functions, cells and characteristics .
