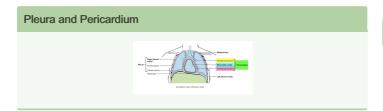
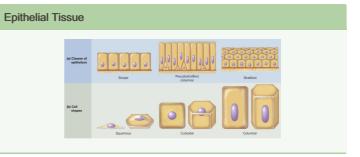


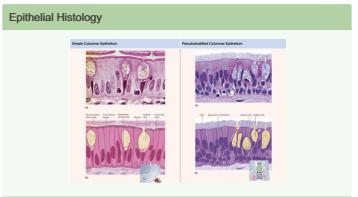
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Directional Terms				
Anterior	front of the body, in front. ie nose			
Posterior	back of the body, behind ie gluteus			
Deep	beneath layers of tissue, closer to internal organs or bone ie heart			
Superf- icial	closer to the surface of the skin ie ribcage is superfical to heart			
Distal	further from the midline ie appendages			
Proximal	closer to the midline ie elbow is proximal to phalanges			
Medial	towards the center of the body			
Lateral	towards the side of the body, away from the center			
Superior	top of the body ie head			
Inferior	bottom of the body ie legs			

## Caphalia Protata Orbital Orbit

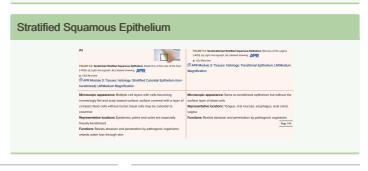












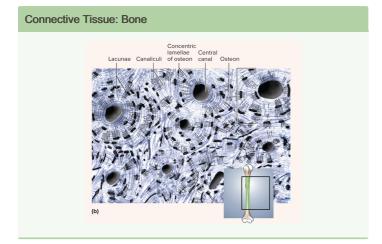


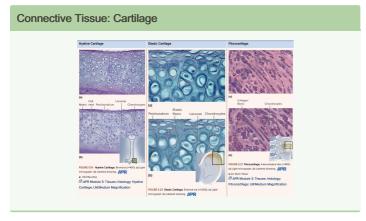
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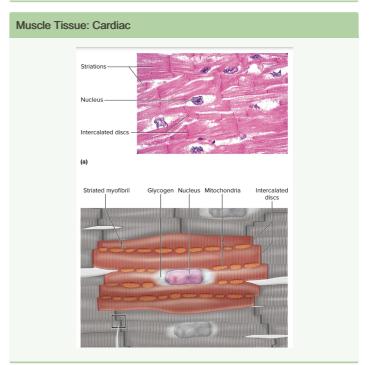
## Stratified Cuboidal and Urothelium \*\*Process of Strate Colonia (Institute Colonia) (I

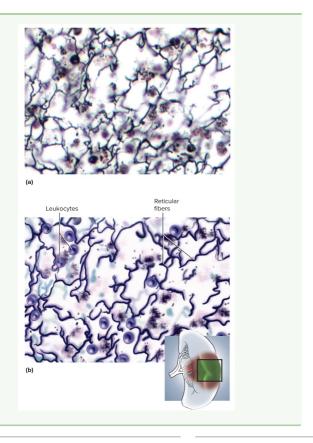




### Connective Tissue: Fibrous Loose Reticular









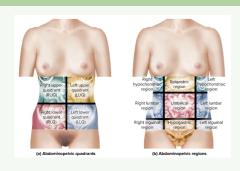
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### **Abdominal Regions**



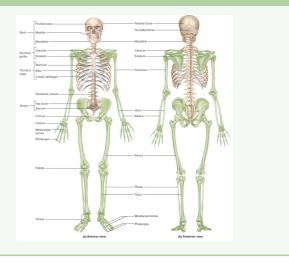
### Planes of Histological Section

Longitcut on long axis udinal Cross/cut perpendicular to long axis Transverse Oblique cut on a slant between a longitudinal and cross section Fixative prevents decay/holds sample together (i.e. formalin) Stain add stains to provide contrast between tissues or components of cells - tissue sliced into thin sections 1-2 cells thick (NOTE: Section

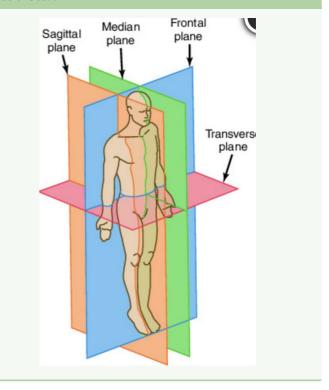
### Body Position Supine back on the ground, facing up Prone chest on the ground, facing down Anatomical Person standing with both feet on the ground, arms at Position the side with palms facing forward

sometimes you use smears instead of sections)

### Appendicular and Axial Skeleton



### Planes of Section





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Primary Tissues						
Epitheal	Closley adhering cells, one or more cells thick with upper surface usually exposed to environment or interal surface of the body.  Covers body surface, lines body cavities, forms external and internal linings of many organs and consitutes most gland tissue	Functions include protection, secretion, excretion, absorption, filtration, sensation	Location: epidermis, inner lining of digestive tract, liver and other glands			
Connective	Most abundant, widely distributed, histologically variable. Includes fibrous, adipose, cartilage, blood and bone. Cells are not in direct contact but surrounded by a matrix	Functions include binding of organs, physical and immune protection, support, movement, storage, heat production, transport.	Location: tendons and ligaments, cartilage and bone, blood			

Primary Tissues (cont)						
Nervous	Specia- lized for commun- ication by means of chemical and electrical signals.	Functions: Neurons detect stimuli quickly and transmit information to other cells.  Neuroglia protect and assist neurons. Neurosoma houses the nucleus. Its the center for protein synthesis and genetic control. Dendrites recieve signals from other cells and sends them to neurosoma.  Nerve fibres send out signals.	Location: brain, spinal cord, nerves			
Muscular	Composed of elgonated, excitable tissue specialized for contraction	Functions: produce movement in body parts, contraction and elongation	skeletal muscles, heart, walls of viscera (smooth muscle)			





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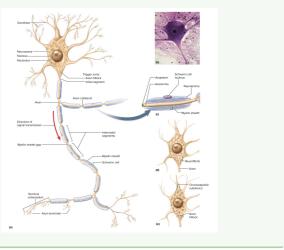
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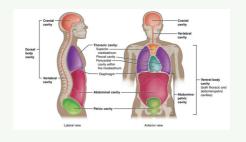
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# Connective Tissue: Adipose Loose (a) Blood Adipocyte Lipid in adipocyte adipocyte





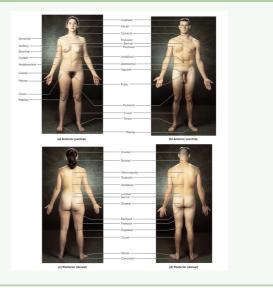
### **Body Cavities**



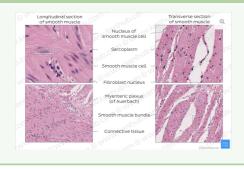
### Muscle Tissue: Skeletal



### **Body Regions**



### Muscle Tissue: Smooth





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