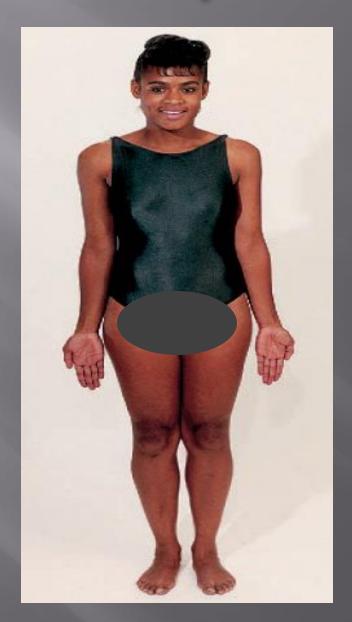
Anatomy

Chapter one

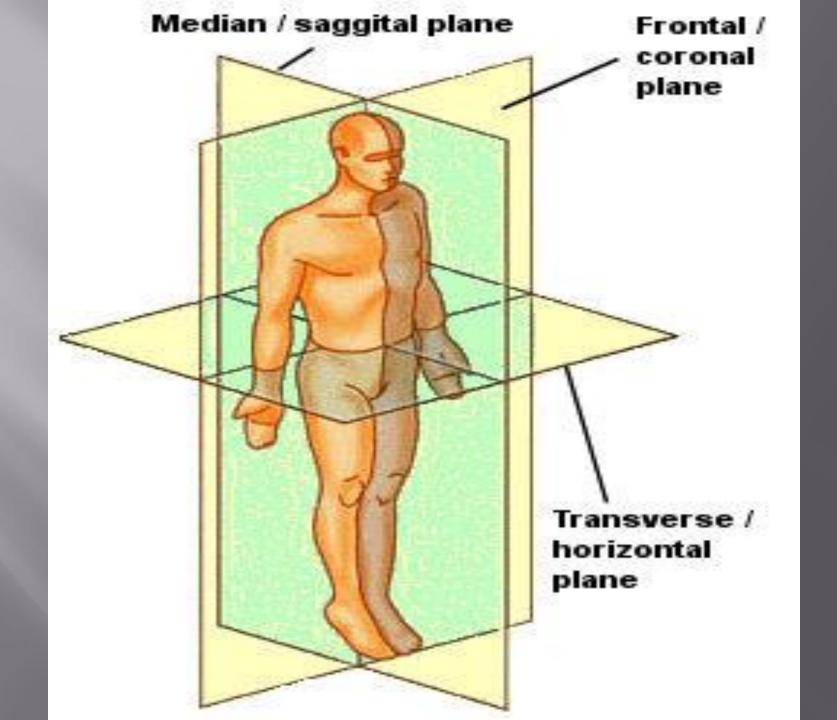
Anatomic nomenclature

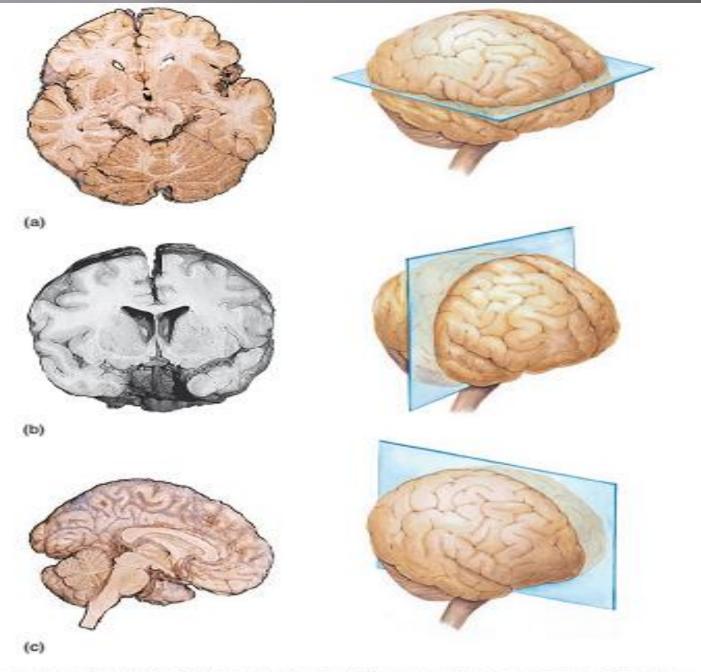
Anatomic position



Planes of Reference of Body

- The body is diagrammed into three fundamental planes of reference in order to visualize and study the structural arrangements of various organs.
 - □ Coronal plane / frontal plane, is a vertical plane that divides the body into anterior (front) and posterior(back) parts.
 - □ Transverse plane / cross-sectional plane / horizontal plane cuts the body or organ perpendicularly into superior(upper) and inferior(lower) parts.
 - □ A midsagittal plane / median plane, extends through the body or organ vertically and divides the structure into right and left halves.



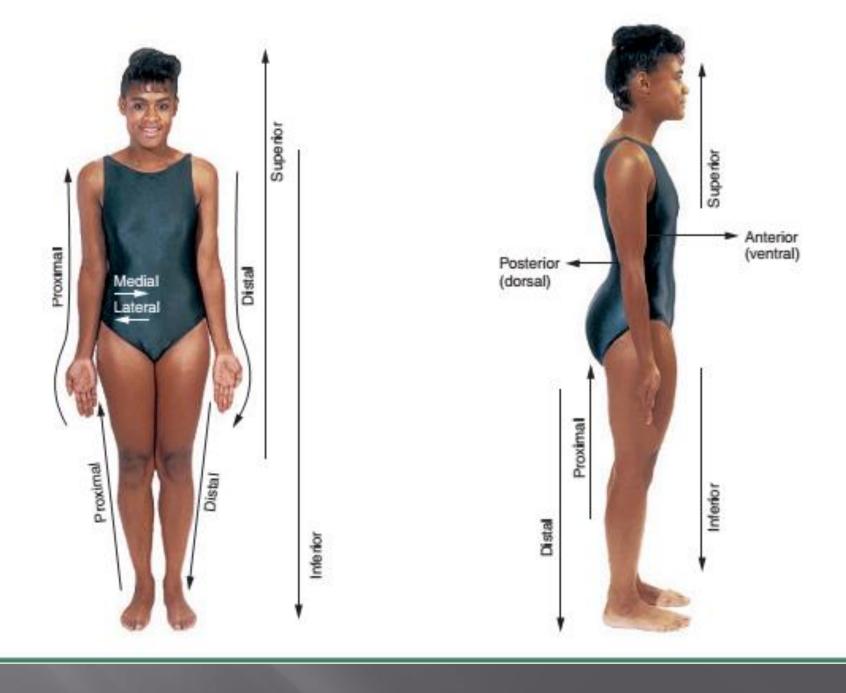


The human brain sectioned along (a) a transverse plane, (b) a coronal plane, and (c) a sagittal plane.

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Anatomic Directional Terms

Direction	Term	Meaning	Example
Relative to front (belly side) or back (back side) of the body	Anterior	In front of; toward the front surface	The stomach is <i>anterior</i> to the spinal cord.
	Posterior	In back of; toward the back surface	The heart is <i>posterior</i> to the sternum.
	Dorsal	At the back side of the human body	The spinal cord is on the dorsal side of the body.
	Ventral	At the belly side of the human body	The umbilicus (navel, belly button) is on the ventral side of the body.
Relative to the head or tail of the body	Superior	Closer to the head	The chest is <i>superior</i> to the pelvis.
	Inferior	Closer to the feet	The stomach is <i>inferior</i> to the heart.
	Caudal	At the rear or tail end	The abdomen is caudal to the head.
	Cranial	At the head end	The head is <i>cranial</i> to the trunk.
	Rostral	Toward the nose	The frontal lobe is <i>rostral</i> to the occipital lobe.
Relative to the midline or center of the body	Medial	Toward the midline of the body	The lungs are <i>medial</i> to the shoulders.
of the body	Lateral	Away from the midline of the body	The arms are lateral to the heart.
	Deep	On the inside, underneath another structure	Muscles are deep to the skin.
	Superficial	On the outside	The external edge of the kidney is <i>superficial</i> to its internal structure.
Relative to point of attachment of the appendage	Proximal	Closest to point of attachment to trunk	The elbow is <i>proximal</i> to the hand.
of the appendige	Distal	Furthest from point of attachment to trunk	The wrist is <i>distal</i> to the elbow.



Regions of the body

