## **Chapter 1 Introduction to Human Anatomy and Physiology**

Anatomy:	A. Anatomy deals with the (morphology) of the body and its					
Physiology:	B. Physiology studies the of these parts.					
Levels of Organization:  Atom → chemical → cell → tissue → organs → organ systems → organism						
Characteristics of Life - Fundamental characteristics of life are traits shared by all organisms.  Characteristics of life include: list 10 characteristics						
Taken together, these 10 characteristics constitute metabolism						
Maintenance of Life						
A.	Requirements of Organisms  1. Life depends on the availability of the following: Water, Food, Oxygen, Heat, Pressure					
	2. Both the quality and quantity of these factors are important.					
B.	Maintenance of a stable internal environment is called					
Anatomical Terminology:						
Anatomical position: Terms of relative position are used to describe the location of a part relative to another part.						
Superior: Needs to be in reference to another part. What does it mean?						
<u>Inferior</u> : Opposite of superior, what does it mean?						
Anterio	or: Means the same as ventral in humans. Where does it refer to?					
Posterio	or: Means the same as dorsal in humans. What is it referring to?					
Madial	manus tarrianda tha					
iviedial	means towards the					
<u>Lateral</u>	means towards the					
Proxim	al also is in reference to another part. It means to the point of origin.					

	<u>Distal</u> is the opposite of proximal.	It means		from the point of origin.
	Superficial is	to the surfa	ce.	
	Deep is	from the surface	<i>).</i>	
Body so	ections:			
	Sagittal: A sagittal section divides t	the body into rig	ht and left portion	ns.
	Mid-sagittal:			
	Transverse (horizontal, cross-section portions	onal): A transver	se section divides	the body into superior and inferior
	Frontal (coronal): A coronal section	n divides the bo	dy into anterior ar	nd posterior sections.
Body c	avities:			
	<u>Dorsal cavity</u> : cavity in the	of the body.	Divided into the	following:
	Cranial cavity: contains the			
	Spinal cavity: located inside	de the	& co	ontains the
	Ventral cavity: located in the	0	f the body. Divid	ed into the following:
	Thoracic cavity: contains the	ne aı	nd di	vided into the following:
	Pleural cavities: co	ontain the	·	
	Pleural me	embrane: lines t	ne pleural cavity.	
	Pericardial cavity:	contains the	·	
Pericardium: lines the pericardial cavity.				
Abdominopelvic cavity: abdominal cavity + pelvic cavity				
	Abdominal cavity:	what does it co	ntain?	

Peritoneum: lines the abdominal cavity.
Mesentery: holds the in place.
Pelvic cavity: What does it contain?
<b>Body systems:</b> List general organs and functions of the following systems.
Integumentary:
Skeletal:
Muscular:
Nervous:
Endocrine:
<u>Digestive</u> :
Respiratory:
<u>Circulatory</u> :
<u>Lymphatic</u> :
<u>Urinary</u> :
Reproductive: