

Name:		Period:		
Levels of Organization				
Remember, the human body is organ	nized in several levels, from the	simplest to the most complex		
1				
2				
3				
4	– groups of organs th	at perform a specific purpose in the		
human body				
The purpose of the 11 organ systems	is for the human body to maint	ain		
The 11 Human Body Systems				
The 11 human body systems are:				
The Digestive System				
Purpose: to convert food particles into bloodstream and used by the body.	o simpler	that can be absorbed into the		
Major Organs and their Functions:				
– to ch chemical breakdown	ew and grind up food.	also begins the		
	connecting mouth to stomach			
Stomach – secretes broken down in the stomach and mix	(pH = 2) that leads red with digestive juices, it is cal	s to breakdown of food once the food is lled		
– produ levels also help neutralize stomach a		that regulates blood sugar		
Liver – produces	, which breaks down	fats in foods		
	h-like organ that stores bile for	future use		
	=	ne enters the small intestine where it is ded surfaces called villi, on the intestine		



<u>Large Intestine</u> – removes water from the chyme and gets the waste ready for excretion.

The Excretory System		
Purpose: to rid the body of	, including excess	and
Major Organs and Their Functions		
– the main organs	of the excretory system. Waste-lade	en blood enters the kidney and the
kidney filters out		
out of the kidney as urine. Eventually the	ey travel through the	to the urinary bladder.
– solid (food) v	waste travels out of the body throug	th the rectum.
– sweat glands	s remove excess water and salts fron	n the body.
– expel the wa	iste gas carbon dioxide.	
The Respiratory System		
<u>Purpose:</u> to provide the body with a fresh remove the waste product carbon dioxide	• • • • • • • • • • • • • • • • • • • •	_for cellular respiration and
Major Organs and Their Functions		
– internal entry	and exit point for air	
– serves as a pa	assage way for both air and food at t	the back of the throat
Larynx – your,	as air passes over your vocal chords	s, you speak
– the "windpipe", covers the tra		
Bronchi – the two large passageways that	lead from the trachea to your lungs	(one for each lung)
the bronchi are further subdivi	ided into	
eventually, the further subdiv	risions lead to tiny air sacs called	
	, like grapes	surrounding each alveolus is
where the exchange of gases with the blo		
Theis the muse the diaphragm.	cle that causes you to breath. Hiccu	ps are involuntary contractions of
The Circulatory System		
Purpose: to deliver oxygenated blood to t	the various cells and organ systems i	n your body so they can undergo

Major Organs and Their Funct	<u>ions</u>		
t	he major muscle of the circ	ulatory system	
pumps blood through it	s four chambers (two	and two	)
pumps heart, and then pumped out t between the chambers.		where it getsst of the body valve regula	
Arteries – carry blood	and to t	he major organs of the body	1
Veins – carry blood	away from	the major organs of the boo	dy
	mall blood vessels where ga	as exchange occurs	
Blood – the cells that flow thr	ough the circulatory system	1	
	Blood cells contain <u>h</u> e	emoglobin, an iron-rich prot	ein that carries oxygen
	Blood cells function i	n the immune system fightii	ng disease.
	help in blood clotting		
Spleen –			
The Nervous System			
Purpose: to coordinate the bo	dy's	to changes in its interna	al and external environment
Major Organs and Their Funct	ions		
		where all processes are relay and	
		brain to the rest of the body	/ and vice versa. Any
	onduct impulses to muscle	cells throughout the body.	
The Endocrine System			
<u>Purpose:</u> to control growth, d of hormones.	evelopment, metabolism aı	nd reproduction through the	production and secretion
Major Organs			

The Skeletal System			
Purpose: to provide	and	to th	e human body.
Bones are where new blood	I cells are generated (in the marrov or strength	w), and require the m	ineral
Major Bones of the Human	Body		
		<del></del>	
<del></del>	<del></del>		
The Muscular System			<del></del>
Purpose: works with the ske blood through the human b	eletal and nervous system to ody		, also helps to circulate
muscle cells are _			
muscle contraction	ons can be	or	
Major Muscles in the Huma	n Body		
		<del></del>	
The Immune System			
The Immune System			
	and other path	nogens from the hum	an body
Major Organs and Their Fun	ctions		
Skin – also called the	system, the s	kin is the body's first	line of defense
	ze disease agents (antigens) and cr lood cell type that actually eats an		_
	- help restore fluid lost by the bloo	od and return it to the	circulatory system.
/			) 👘