Name		Per	Date	
Hu	man Digest	ion Introduction	on Lectu	re
	i	s the process that changes food	into a form that is	usable by your body.
The A	limentary Canal			
•	The	of food from your	to y	our
A.	Eight Parts of the Alin			
	1			
	2			
	3			
	4			
	sory Organs			
		ough these organs. However, the	ese organs aid in	with the
use of	and			
•		produces bile salts that		
•		small, thin sac near the liver tha		
•		found near the spleen and produ	ices enzymes for t	he breakdown of all
	categories of food.			
Phases	s of Digestion			
	Mechanical Digestion			
		g, and mixing done by the	and the	
	>	breakdown of large food	to :	smaller food globules.
2.	Chemical Digestion			C
		from glands to chemically br	reak the	between the molecules.
		(large) break down into		
T	. A			
Terms	S Associated with Mecl	nanical Digestion 3	5	
		3 4		
Chem	ical Digestion (fill in th			
	In the diagram,	, gets broken down	into	by the
	, then the _	molecules pass	s though the	of the intestine into
the		where the nutrients can t	ravel to where the	ey are needed.
The M	Iouth			
A.	Gets	ready for	·	
B.	Teeth	_ ready for break up food making it	t	o digest.
C.	Salivary glands	mucous and enzymes A	Amylase) that	carbohydrates.
		Gland = largest,	when you	have the mumps.
		Gland = located at the Gland = located	of th	ne jaw.
		Gland = located	_ the tongue and	causes the mouth to water.
т.	Th	4 .1 1	to the terms	11
		organ that helps	in cnewing and s	wallowing and moves
arounc	i the mouth to keep the	clean.		

The Esop	hagus						
Ā.	Connects the to the						
В.	and longitudinal (smooth) muscles move the food to						
	the stomach via						
C.	Located to the trachea.						
D.	The name of the mass of food in the diagram is called the						
The Stom	ach						
	Stomach and food.						
A. Ga	stric Glands in the stomach lining						
	1. Secretes Hydrochloric Acid ()						
	a. Kills bad present on the food.						
	b. Regulates the stomach's lower valve.						
	c. Controls the stomach level.						
	2. Secretes the engine						
	a. Pepsin is the first step indigestion—breaks down protein						
	into smaller chains ofacids called polypeptides						
	and						
	3. Secretes Mucous.						
	a. Mucous the stomach from digesting itself.						
	b. If mucous levels are in a body, then that person may develop <u>ulcers</u> = a						
	or raw area in the stomach lining or duodenum of the small intestine.						
B.	stays in the stomach for hours.						
	od () enters into the small intestine through thevalve (sphincter).						
	Vicers are found in the whereas duodenal ulcers are in the						
The Smal	ll Intestine						
Small	Intestine divided into 3 regions: ***Remember !!!						
	(10-12 in)—attached to thestomach.						
	Receives from the Gall Bladder and enzymes from the						
	High pH here neutralizes from the stomach.						
	(8 feet)—middle section of small intestine.						
	(12 feet)—last section that connects to the large						
intesti	ne. The appendix () is found in this region.						
1110001) is round in this 1-810m.						
Enzymes	from the Small Intestine						
-	our Different Enzymes Secreted Here:						
1	—finishes digestion that started in the stomach						
1.	a) dipeptides into amino acids changes maltose to glucose.						
2	—changes maltose to glucose						
3	—changes lactose to glucose.						
3. Λ	—changes sucrose to glucose.						
*Notice th	nat enzymes all end in — and the root words are the same as the sugars they break down.						
Nonce ii	and the foot words are the same as the sugars they break down.						
Fnzymos	from the Pancreas						
Enzymas	= an accessory organ found the liver near the pass from the pancreas through the pancreatic into the						
Liizyilles 1	converts polymontides to diportides						
۷.							

3	digest	s small fats.					
		organ found in the		_abdominal cavity.			
A. The Liver ma		_		•			
1. <u>Bile</u> is a _	that _	(break	s up) large fat g	lobules into smaller ones.			
2. <u>Bile</u>	the enzy	yme	to break dowr	n fats.			
3. <u>Bile</u> enter	s the	through the con	nmon bile duct.				
	s other functions:						
				(medium-term NRG)			
2. Breaks do	wn amino acids (=) f	or energy.				
3	the	blood of any		_ ·			
The Color (Laure	Intestina						
The Colon (=Large	the	canal attached t	o the small into	otina			
A Pagaiyas	uie	food from the	o ille siliali fille	suile.			
R Function: it	equazzes out	to solidify	IIII	testifie.			
If material r	2008	(
If material a	loesn't move =	(_ ⊗!	Get out the late	v gloves			
D Feces collec	ot in the		Oct out the late	contracts to hold in			
		you		contracts to note in			
	acterium in my colo	7	·				
		forms a	relation	ship with humans			
2. <i>E. coli</i> di	gests	(it's food source)	that we can't br	reakdown (like CORN).			
				f digestion. (= flatulence)			
				k. So, wash up children!			
				-			
Draw the intesti	nal cross section	diagram from Slide	#7 of the lec	eture.			
		g					