

_____ increases accessibility to enzymes	chewing
(T/F) the large intestine contains villi	false
(T/F) there is no storage for water soluble vitamins	true
all water vitamins diffuse in the blood except for	B12
amino acids join with what for active absorption	Na+
bound to albumin as glycerol and rapidly absorbs to portal vein	medium chain triglycerides
enzyme that continues carb hydrolysis in the small intestine	pancreatic amylase
enzyme that continues lipid breakdown in the stomach	gastric lipase
enzyme that initiates protein digestion in stomach	pepsin
enzymes are affected by _____ & _____	temperature and pH

food is moved through the esophagus by _____	peristalsis
food mixed with what to continue breakdown process	hydrochloric acid (HCL) and enzymes
glucose is absorbed by form of active transport called what	coupled transport
helps bind a substrate with specific enzyme	coenzyme
hormone that is released at duodenum	cholecystokinin (CCK)
hormone that regulates GI functions and helps with fat digestion	cholecystokinin (CCK)
in the small intestine, where does absorption occur	villi
intestinal enzymes breakdown carbs into what form	monosaccharide
the large intestine synthesizes small amounts of what 2 vitamins and become absorbed	vitamin k and biotin
little absorption occurs in the stomach except what	water, alcohol and aspirin

a long chain is how many triglyceride	>12
long chain triglycerides combine with phospholipids, proteins, and cholesterol to produce what	chylomicrons
macronutrient that breaks down by emulsifying bile and the hydrolytic action of pancreatic lipase	lipids
a medium chain is how many triglycerides	<12
the most digestion occurs in what part of the pancreas	jejunum
name the 4 hormones that regulate digestion	<ol style="list-style-type: none"> 1. cholecystokinin (CCK) 2. secretin 3. gastric inhibitory peptide (GIP) 4. gastrin
once fat soluble vitamins are absorbed, what two things transport them to liver	chylomicrons and lipoproteins
the pancreas breaks down macronutrients in an increased or decreased pH solution	increased
the pancreas secretes what to buffer HCl	alkaline juice
pancreatic lipase inhibitor; associated with weight loss	orlistat