

Use this worksheet as you study the digestive process. It breaks down the GI tract into sections, and has space for you to indicate what GI hormones are produced or act in a location, what nutrients are digested there and by what enzymes, and what nutrients are absorbed. This worksheet builds on the Digestion Worksheet, requiring you to consider your knowledge of the hormones and absorption.

Location	Hormones	Digestion	Absorption
Mouth			
Stomach			
Small Intestine			
<i>Duodenum</i>			
<i>Jejunum</i>			
<i>Ileum</i>			
Colon			

Use this page when you read about GI hormones in the Digestion and Absorption study guide. In this section, we'll review the different types of gastrointestinal hormones. Pay attention to where they are produced, where they act (target cells), and what effect they have. Does one hormone effect the production of another? What implications are there for digestion? Fill it out as you go through each paragraph. You may also find that sketching diagrams as you read through each paragraph helpful.

Hormone	Notes
Gastrin	
CCK	
Secretin	
VIP	
GIP	
Motilin	
Somatostatin	
Ghrelin	
Enterostatin	
Peptide YY	
GLP-1	
Leptin	

Know the types of digestion and their location in the GI tract, and know which enzymes do what and where they are secreted from. Go online and do your research to fill out the table below. I've filled out the first few rows.

Digestive Enzyme	Organ/Gland Secreting It	Compound Digested
Amylase		
Sucrase		
Lactase		
Lipase		
Pepsin		
Trypsin		
Chymotrypsin		
Deoxyribonuclease		
Ribonuclease		
Nuclease		

Use this worksheet as you study the digestive process. It breaks down digestion into the 3 macronutrients (carbohydrate, lipid, and fat), into the types of digestion (mechanical and chemical), and locations in the GI tract (mouth, stomach, small intestine, and colon). You should know what form a macronutrient is in when it enters a location, what effect mechanical digestion has on it and what effect chemical digestion has on it (specifically the enzymes). Additional information such as the interplay of digestive enzymes and hormones in the secretion of pancreatic juice, bile, etc. are also important for you to know.

Location	Digestion	Carbohydrate	Protein	Lipids
Mouth	Mechanical			
	Chemical			
Stomach	Mechanical			
	Chemical			
Small Intestine	Mechanical			
	Chemical			
Colon	Mechanical			
	Chemical			