


ATI TEAS

Science Review



Gastrointestinal
System

Ivy Robelo



@PetiteAndSoignee

www.PetiteAndSoignee.com



Function: The breakdown and absorption of nutrients

The small intestine absorbs most nutrients. It is responsible for absorbing vitamin B12.

The colon absorbs extra water. It is responsible for absorbing vitamin K.

Bile is **stored** in the **gallbladder**; Bile is **created** in the **liver**.

Breakdown of fat begins in the stomach.

	Enzyme	Production site	Release site
Carbs	Salivary Amylase	Salivary Glands	Mouth
	Pancreatic Amylase	Pancreas	Small Intestine
	Maltase	Small Intestine	Small Intestine
Protein	Pepsin	Chief Cells (gastric gland)	Stomach
	Trypsin	Pancreas	Small Intestine
	Peptidases	Small Intestine	Small Intestine
Nucleic Acids	Nuclease	Pancreas	Small Intestine
	Nucleosidase	Pancreas	Small Intestine
Lipids	Lipase	Pancreas	Small Intestine
	Bile Salt	Liver→Gallbladder	Small Intestine

Bile is technically not an enzyme, but a salt that emulsifies lipid into fatty droplets.

Chief Cells: Covert pepsinogen to pepsin

Goblet Cells: Mucus secretions

Parietal Cells: HCl production

Peyer's Patches: Lymphatic Tissue found in Ileum to protect GI tract from pathogens



About Me

Hi there! My name is Ivy and I am the founder of Petite and Soignée. I am currently a licensed physical therapist assistant, dermatology and cosmetic medical assistant, and a nursing student in an accelerated BSN program. Over the years, I have researched and learned about different skincare products, ingredients, skin conditions, diseases, and new technologies and procedures within the field. I decided to join a dermatology practice so that I could learn more about skincare within a clinical setting. This position taught me so much about the science of skin that it led me to pursue nursing. My goal is to specialize in dermatology in the future.

You may be wondering what does *soignée* even mean?

Soignée (pronounced "swan-yay") is a feminine French word meaning "*to dress elegantly*", "*well-groomed*", "*sleek*" "*well maintained*" or "*elegantly designed*". The word perfectly describes the way that I like to present myself on a daily basis. On my website, I share all of my skincare and beauty tips for everyone to feel soignée.

Don't forget to follow my other social media accounts!



@PetiteAndSoignee

www.PetiteAndSoignee.com