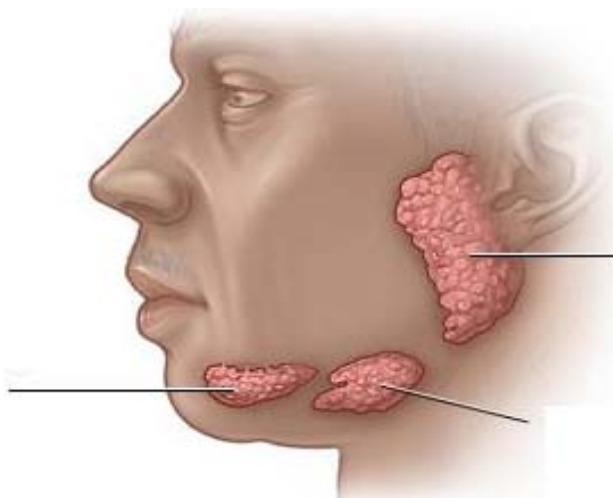


**Chapter 16- Accessory Organs and Digestive Secretions
Honors Anatomy**

Salivary Glands

Using the list below, label the different salivary glands.



parotid gland

submandibular gland

sublingual gland

1. Saliva contains enzymes that begins the process of _____.

List the 2 enzymes secreted by the salivary glands along with the macromolecule each enzyme chemically digests.

Organ	Name of Secretion or Enzyme	Macromolecule Digested (Protein, Lipid, Carbohydrate, Nucleic Acid)
Salivary Glands (2)	1.	1.

Stomach

For each cell of the stomach, list the enzyme or chemical it secretes along with the macromolecule it chemically digests.

Stomach	Name of Enzyme or Chemical Secreted	Macromolecule Digested (Protein, Lipid, Carbohydrate, Nucleic Acid)
1. Parietal cells	1.	1.
2. Chief cells	2.	2.

3. What is the function of mucus secreted by mucous cells?

Small Intestine

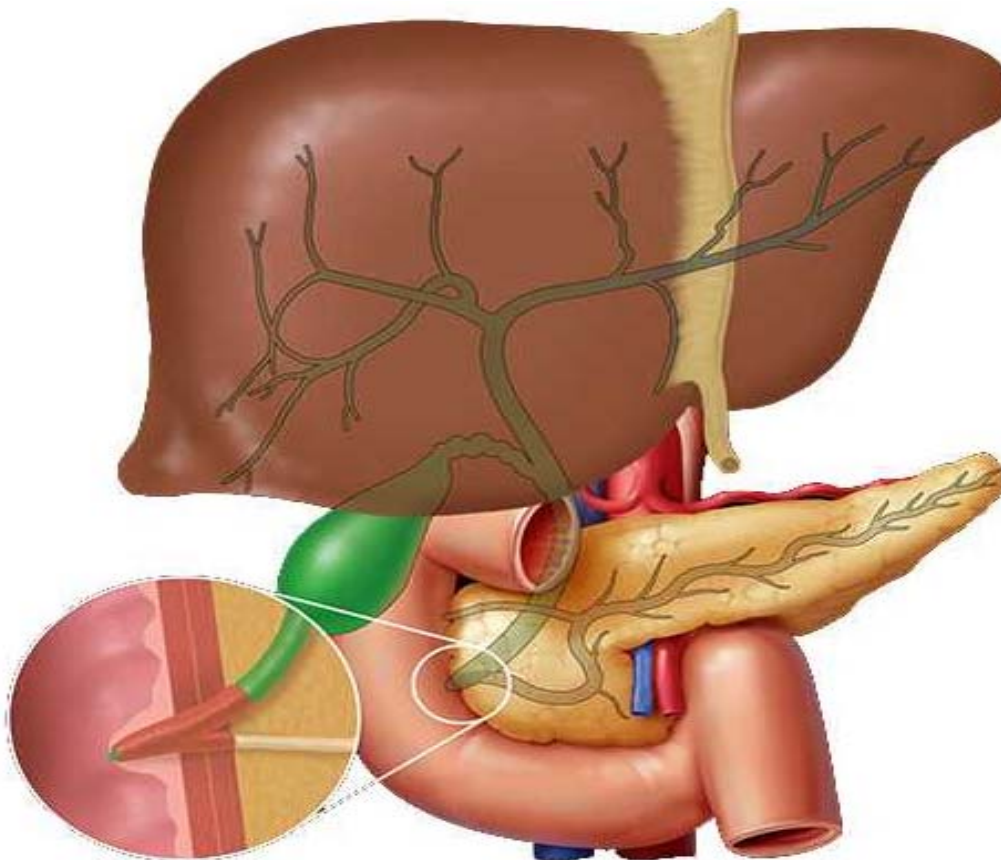
List the 6 enzymes secreted by the small intestine along with the macromolecule each enzyme chemically digests.

Organ	Name of Secretion or Enzyme	Macromolecule Digested (Protein, Lipid, Carbohydrate, Nucleic Acid)
Small Intestine (6)	1.	1.
	2.	2.
	3.	3.
	4.	4.
	5.	5.
	6.	6.

Disaccharidases

Liver, Gallbladder and Pancreas

Using the list below, label the different accessory organs and the structures associated with them.



Common bile duct
 Cystic duct

Gallbladder
 Hepatic duct

Liver
 Pancreas

Pancreatic duct

1. **6 Functions of the Liver.**

- a. Digestion- The liver secretes bile which emulsifies _____.
- b. _____ - elimination of waste
- c. Nutrient storage- The liver stores blood sugar, in the form of _____, stores fat, and stores _____, such as A, B12, D, E, and K.
- d. _____ of harmful chemicals- The liver can remove waste from circulation.
- e. _____ of new molecules- The liver can synthesize some blood proteins.

List the 1 secretion of the liver and gallbladder along with the macromolecule the secretion chemically digests.

Organ	Name of Secretion or Enzyme	Macromolecule Digested (Protein, Lipid, Carbohydrate, Nucleic Acid)
Liver/ Gallbladder	1.	1.

2. The cystic duct of the gallbladder and the hepatic duct of the liver merge into the _____
 _____ to deliver bile to the small intestine.

List the 6 enzymes secreted by the pancreas along with the macromolecule each enzyme chemically digests.

Organ	Name of Secretion or Enzyme	Macromolecule Digested (Protein, Lipid, Carbohydrate, Nucleic Acid)
Pancreas (6)	1.	1.
	2.	2.
	3.	3.
	4.	4.
	5.	5.
	6.	6.

3. The role of bicarbonate ion, secreted by the pancreas, is to neutralize _____.
4. As an endocrine gland, the pancreas secretes 2 hormones, _____ and _____, which regulates blood sugar (glucose) levels.