**Digestive System**

Autonomic (Parasympathetic) Nervous System

Organs (Know functions of each)

* Alimentary Canal (GI tract)
	+ Mouth, Pharynx, Esophagus, Stomach, Small Intestines (Duodenum, Jejunum, Ileum), Large Intestines (Cecum, Colon), Rectum, Anus
		- Cardioesophageal and Pyloric Sphincters, Ileocecal Valve
* Accessory Organs
	+ Liver, Pancreas, Gall bladder, teeth, salivary glands

Terms to Know:

Bolus

Chyme

Mastication

Salivary Amylase

Bile

Peristalsis

Segmentation

Deglutition

Structure of Stomach Mucosa (and function of the cells!)

* Mucous Neck Cells
* Gastric Glands
* Chief Cells
* Parietal Cells
* Enteroendocrine Cells

Functions of Digestive System

1. Ingestion 4. Chemical Digestion

2. Propulsion 5. Absorption

3. Mechanical Digestion 6. Defecation

Process of Food Breakdown, Digestion, and Absorption in Stomach

* Gastrin, HCl, Pepsin, (Rennin – digests milk proteins in infants)

Process of Food Breakdown, Digestion, and Absorption in Small Intestines

* Brush Border
* Pancreatic Enzymes
	+ Secretin
	+ Cholecystokinin
		- Bile

Process of Food Breakdown, Digestion, and Absorption in Large Intestines

Metabolism

* Catabolism vs. Anabolism
* Carbohydrates
	+ Hyper vs. Hypoglycemia
* Lipids
	+ Acidosis
* Proteins
* Liver
	+ Glycogenesis, glycogenolysis, gluconeogenesis
* Cholesterol
	+ Function (LDL’s and HDL’s)