**Digestive System and Excretory System**

**Objective 59**: **I can describe the parts and functions of the digestive system**



* Teeth:
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mechanically by chewing – they grind and crush food into smaller pieces.
* Salivary Glands:
	+ Secrete amylase which breaks down starches and sugars in your mouth before you swallow.
* Esophagus:
	+ the tube that connects your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ You have a trap door called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to cover your windpipe when you swallow.
* Stomach
	+ A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that holds your food after you eat
	+ Helps to break food into smaller pieces so your body can use it for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and nutrition
	+ Your stomach \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ your food the way a baker kneads dough for bread.
	+ Your stomach \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when you eat like a balloon being filled with air
* Small Intestine
	+ Tube that is \_\_\_\_\_\_ feet long.
	+ Continues to digest food
	+ Food stays in your small intestine for \_\_\_\_\_\_\_\_\_\_\_\_\_\_ hours
* Large Intestine
	+ Tube that is \_\_\_\_ feet long
	+ Gets waste from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ It is called the LARGE intestine because it is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the small intestine.
	+ Waste stays for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ hours
* Gall Bladder:
	+ Storage tank for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (a green-yellow liquid) that helps your body break down and use fats
	+ Located under your\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ Shaped like a\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Liver
	+ Factory for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ Stores \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ until your body needs them
* Pancreas
	+ Helps you digest food by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Rectum
	+ A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ before they are excreted from the body
* Interesting Facts
	+ Food is in your digestive system for about \_\_\_\_\_\_\_\_\_ hours

**Objective 60: I can describe how the digestive system works together with other body systems.**

* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system provides every system in the body with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_it needs.
* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system transports the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system to all other systems in the body.

**Obj 61: I can describe the parts and function of the excretory system.**

* Excretory system: is the system in the body that collects wastes produced by **cells** and removes them from body.
	+ The function of the Excretory system is to eliminate urea, water, and other wastes from the body.
	+ Excretion maintains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which means keeping your body’s internal environment (temperature, hydration, energy) stable and free of harmful chemicals.
	+ The excretory system is SEPARATE from the digestive system.
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = excretory system – waste from cells
	+ \_\_\_\_\_\_\_\_\_\_\_\_ = digestive system – waste from food you eat
* Parts of the excretory system:

* Kidneys: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ urea and other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Nephron- tiny filtering factories that remove wastes from blood and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	+ It is made up of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Ureters- Urine flows from the kidneys into these two \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Urinary bladder- A saclike muscular organ that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Urethra- Urine \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through a small tube.
* Urine- Liquid that is produced in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and stored in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Urea- A chemical that contains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and is filtered by the kidneys.
* Liver-
	+ Breaks down proteins to produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(used in digestion). It stores vitamins and sugar until needed by the body.
	+ Used in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system.
* Excretion- The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of wastes from the organs.
* Respiration- The process in which oxygen and glucose undergo a complex series of chemical reaction inside cells. The waste product of respiration is carbon dioxide.
* Skin-
	+ It is our body’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ part of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system.
	+ The skin excretes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to help our bodies maintain homeostasis
* Perspiration- Excreted by the skin containing water, salt, and urea.

**Obj 62: I can describe how the excretory system works with other organ systems in the body**

* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system works with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system by removing waste from the blood.
* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system works with the integumentary system (your skin, hair, nails) to maintain homeostasis