

Cell Specialization Vocabulary

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Zaria Herriman

Antibiotic

Pronunciation: (Ahn-tie-by-ah-tic)

Part of speech: Noun

Definition: A medicine that can block the growth and reproduction of bacteria.

Sentence: The doctor gave me an antibiotic to help the pain to go away.



Blood

Pronunciation: (Bluh-d)

Part of speech: Noun

Definition: A fluid in the body that delivers oxygen and other materials to cells and removes carbon dioxide and other wastes.

Sentence: When Cecilia scraped her knee, blood came from the cut.



Cellular Respiration

Pronunciation: (Sell-you-lar Res-per-a-shun)

Part of speech: Noun

Definition: A process in which cells use oxygen to release energy stored in sugars.

Sentence: Cells use cellular respiration when they have too much sugar contained in them.

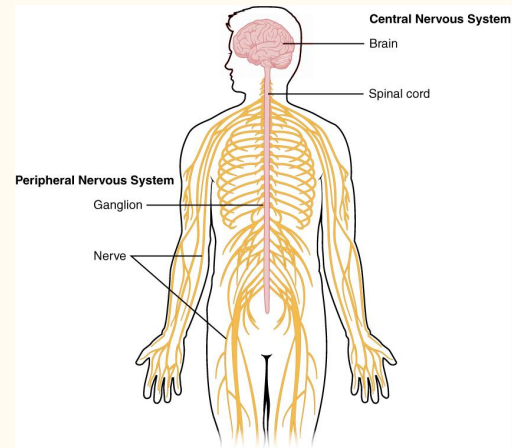
Central Nervous System

Pronunciation: (Sen-truhl Nur-vis Sis-tum)

Part of speech: Noun

Definition: The brain and spinal cord. The central nervous system communicates with the rest of the nervous system through electrical signals sent to and from neurons.

Sentence: The Central Nervous System relays messages throughout the body.



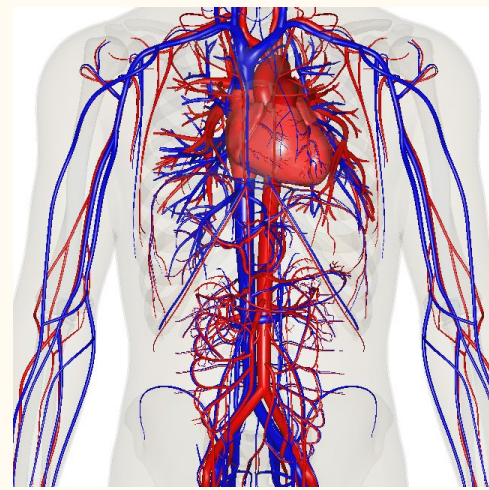
Circulatory System

Pronunciation: (Sur-cue-luh-tore-y Sis-tum)

Part of speech: Noun

Definition: The group of organs, consisting of the heart and blood vessels, that circulates blood through the body.

Sentence: The circulatory system includes vital organs such as the heart.



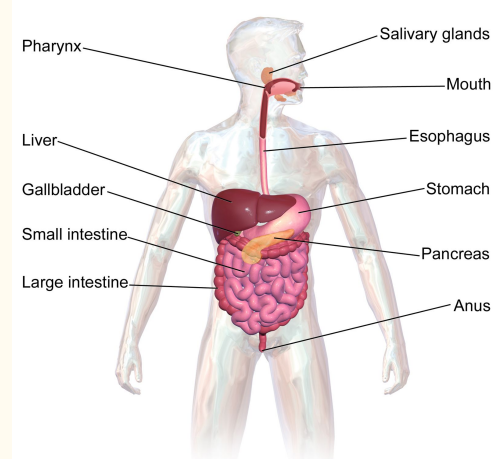
Digestive System

Pronunciation: (Die-jest-iv Sis-tum)

Part of speech: Noun

Definition: The structures in the body that work together to transform the energy and materials in food into forms the body can use.

Sentence: All of my food goes through my digestive system for my body to get energy.



The Components of the Digestive System

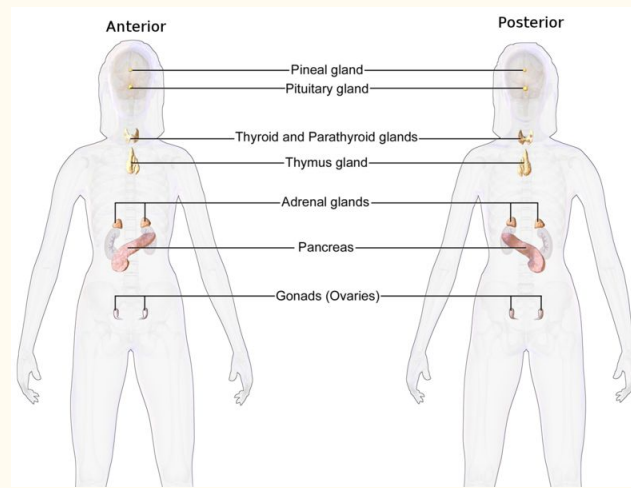
Endocrine System

Pronunciation: (En-doe-cry-n Sis-tum)

Part of speech: Noun

Definition: A group of organs called glands and the hormones they produce that help regulate conditions inside the body.

Sentence: The endocrine system is one of the many systems that helps keep the body perfectly intact.



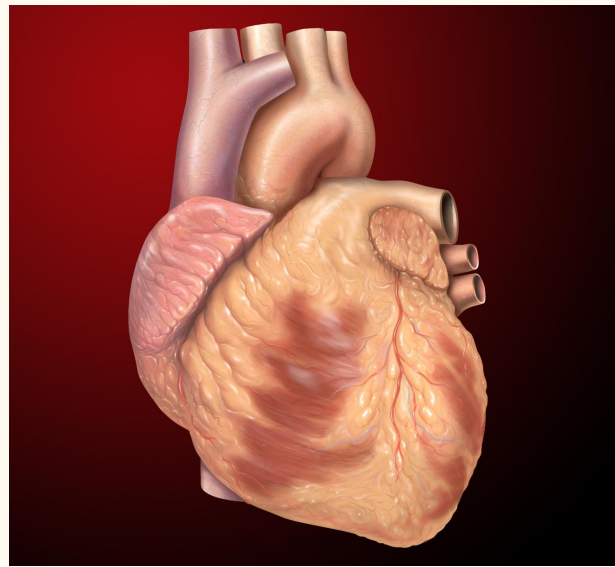
Function

Pronunciation: (Funk-shun)

Part of speech: Noun

Definition: Specific job.

Sentence: The function of the heart is to pump blood throughout the body.



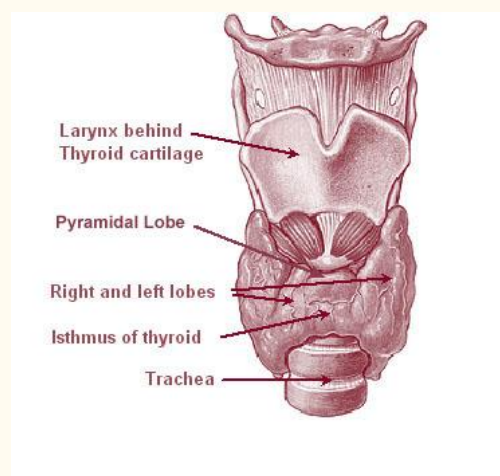
Gland

Pronunciation: (Gl-eah-nd)

Part of speech: Noun

Definition: An organ in the body that produces a specific substance, such as a hormone.

Sentence: The thyroid gland produces the hormones, thyroxine and triiodothyronine.



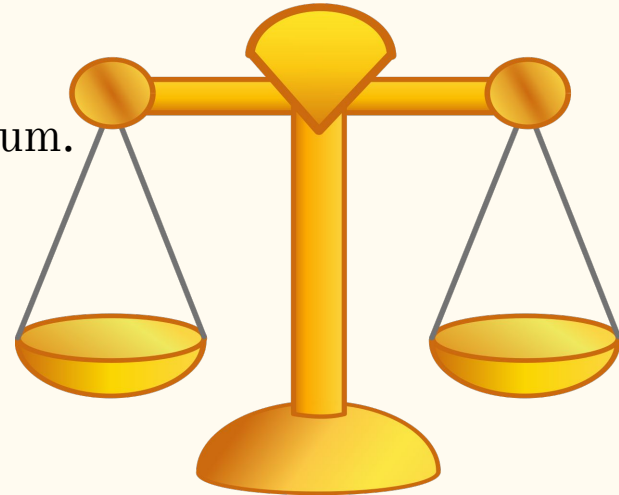
Homeostasis

Pronunciation: (Home-ee-oh-stay-sis)

Part of speech: Noun

Definition: A condition needed for health and functioning in which an organism or cell maintains a relatively stable internal environment.

Sentence: Homeostasis keeps our body within an equilibrium.



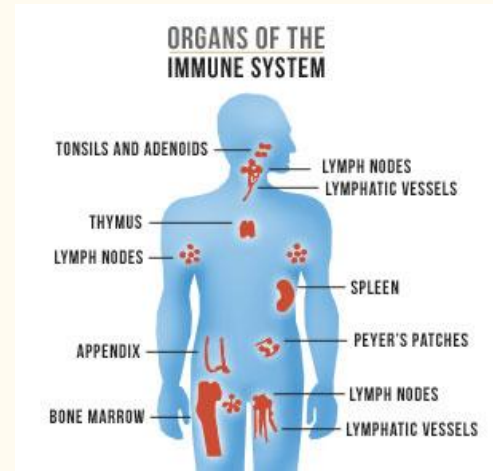
Immune System

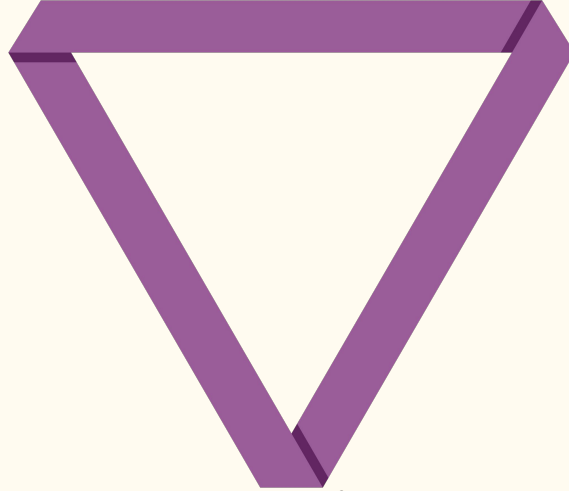
Pronunciation: (Ih-mue-n Sis-tum)

Part of speech: Noun

Definition: A group of organs that provides protection against disease-causing agents.

Sentence: The immune system protects our body from the diseases we have already overcome.





Immunity

Pronunciation: (Ih-mue-knit-y)

Part of speech: Noun

Definition: Resistance to a disease. Immunity can result from antibodies formed in the body during a previous attack of the same illness.

Sentence: Each year, I have immunity to a cold after I have one.

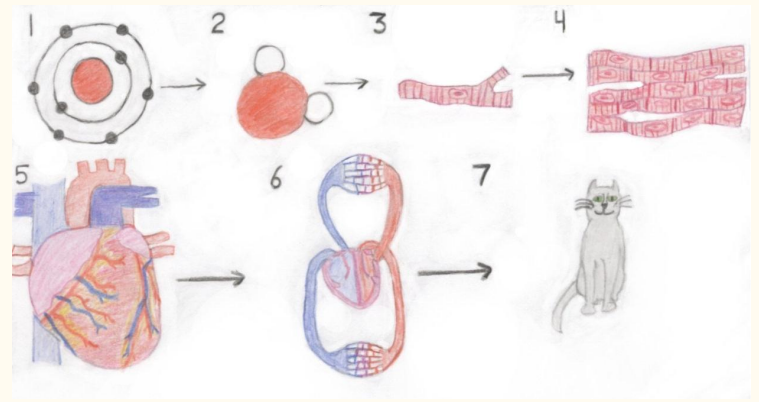
Levels of Organization

Pronunciation: (Le-vull-s Uh-v Or-guh-nigh-zae-shun)

Part of speech: Noun

Definition: Cell~ Tissue~ Organ~ Organ System~ Organism.

Sentence: The levels of organization explain the smallest living things that leads up to make up living things known as organisms.



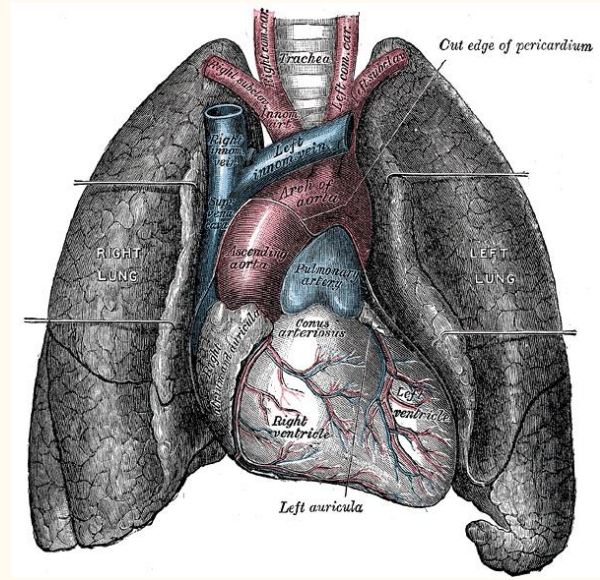
Lungs

Pronunciation: (Luh-ngs)

Part of speech: Noun

Definition: Organ that takes in oxygen to help us breathe.

Sentence: The lungs are located around the heart and are protected by the ribcage.



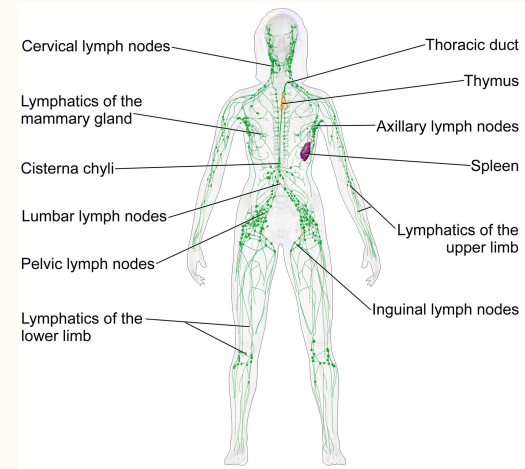
Lymphatic System

Pronunciation: (Lim-fat-ik Sis-tum)

Part of speech: Noun

Definition: The network of vessels through which lymph drains from the tissues into the blood.

Sentence: The lymphatic system contains lymphs that bathe the tissues throughout the body.



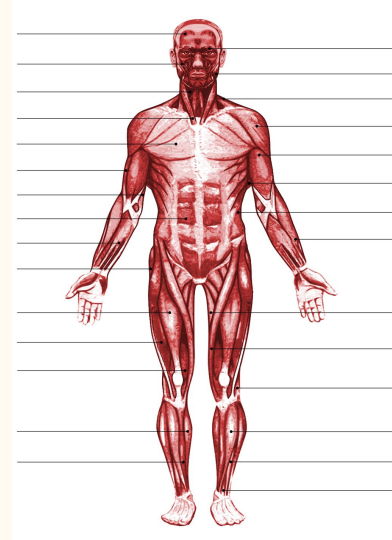
Muscular System

Pronunciation: (Musk-you-ler Sis-tum)

Part of speech: Noun

Definition: The muscles of the body that, together with the skeletal system, function to produce movement.

Sentence: The muscular system contains muscles that expand and contract to help the body move.



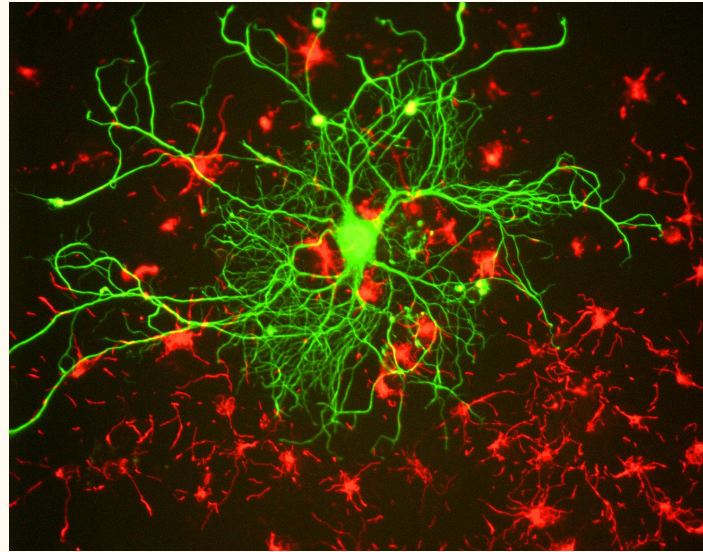
Neuron

Pronunciation: (Nur-on)

Part of speech: Noun

Definition: A nerve cell.

Sentence: The neuron send messages from the brain to other parts of the body.



Nutrient

Pronunciation: (New-tree-in-t)

Part of speech: Noun

Definition: A substance that an organism needs to live. Examples include water, minerals, and materials that come from the breakdown of food particles.

Sentence: On the back of food products, the list of nutrients is placed.

Nutrition Facts	
Serving Size 1 bar (2 lbs)	
Servings Per Package 1	
Amount	% Daily Value
Calories 4600	
Fat 260 g	400 %
Saturated 160 g + Trans 0 g	800 %
Cholesterol 200 mg	120 %
Sodium 1400 mg	40 %
Carbohydrate 960 g	320 %
Dietary Fiber 40 g	
Sugars 840 g	
Protein 120 g	
Vitamin A 0 %	Vitamin C 0 %
Calcium 320 %	Iron 80 %

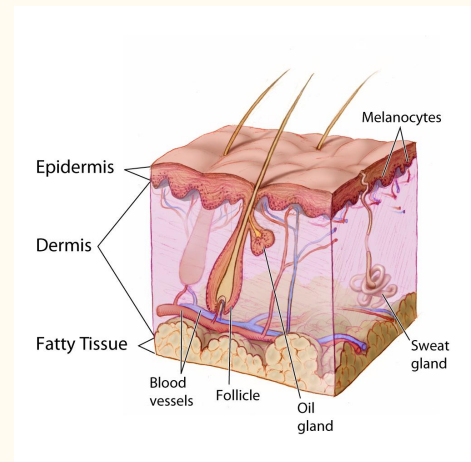
Organ

Pronunciation: (Or-gihn)

Part of speech: Noun

Definition: A structure in a plant or animal that is made up of different tissues working together to perform a particular function.

Sentence: The largest organ in our bodies is the skin.



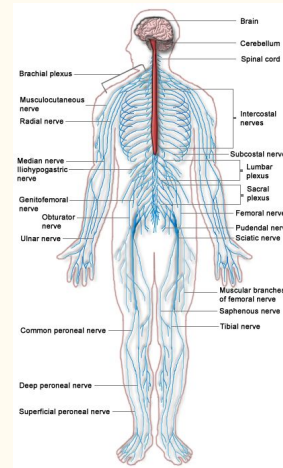
Organ System

Pronunciation: (Or-gihn Sis-tum)

Part of speech: Noun

Definition: A group of organs that together perform a function that helps the body meet its need for energy and materials.

Sentence: Organ systems in our body can include, the digestive, circulatory, respiratory, cardiovascular, skeletal, endocrine, urinary, nervous, integumentary, etc.



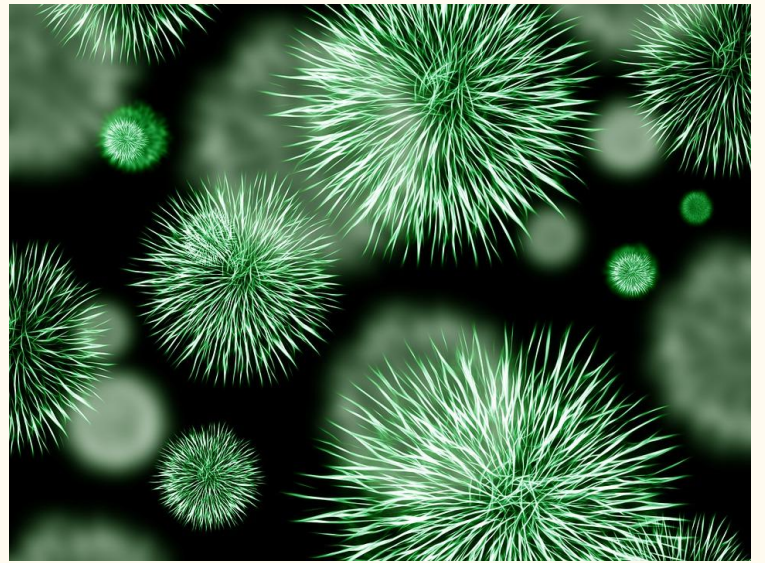
Pathogen

Pronunciation: (Path-oh-gin)

Part of speech: Noun

Definition: An agent that causes disease.

Sentence: The immune system protects our bodies against pathogens.



Red Blood Cell

Pronunciation: (Reh-d Bluh-d Sell)

Part of speech: Noun

Definition: A type of blood cell that picks up oxygen in the lungs and delivers it to cells throughout the body.

Sentence(s): There are multiple types of blood cells that make up our blood. one of these cells is a red blood cell.



Red Blood Cells

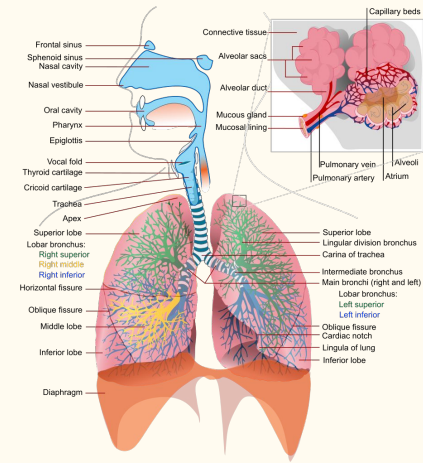
Respiratory System

Pronunciation: (Res-per-a-tore-y Sis-tum)

Part of speech: Noun

Definition: A system that interacts with the environment and with other body systems to bring oxygen to the body and remove carbon dioxide.

Sentence: The respiratory system provides our bodies with oxygen, in which we need to live.



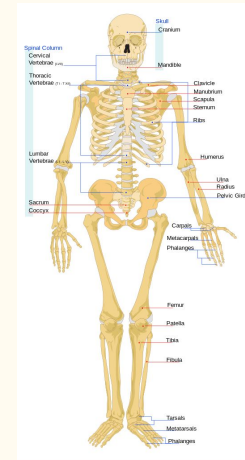
Skeletal System

Pronunciation: (Skell-uh-toll Sis-tum)

Part of speech: Noun

Definition: The framework of bones that supports the body, protects internal organs, and anchors all the body's movement.

Sentence: The skeletal system supports and protects the body along with helping it to move.



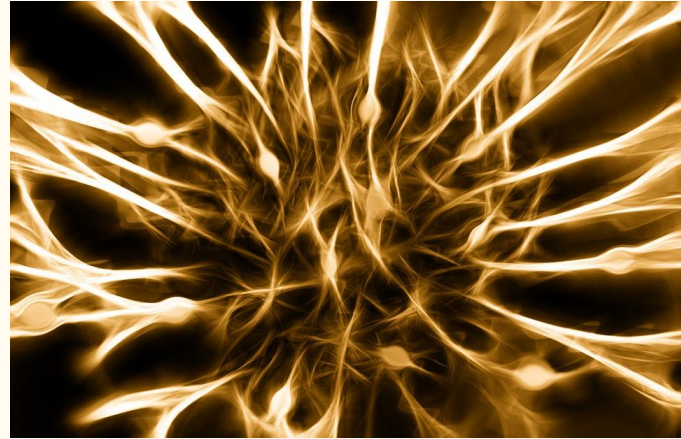
Stimulus

Pronunciation: (St-ih-mue-liss)

Part of speech: Noun

Definition: Something that causes a response in an organism or a part of the body.

Sentence: **Stimulus** is your reaction to a message that has been sent to or from your brain.



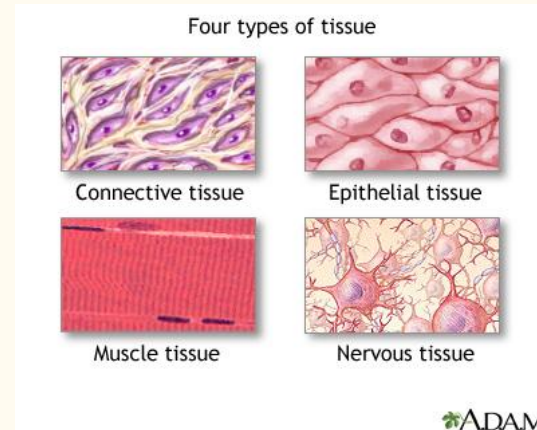
Tissue

Pronunciation: (Tish-you)

Part of speech: Noun

Definition: A group of similar cells that are organized to do a specific job.

Sentence: There are multiple types of tissue located throughout the bpdy which help with everyday movement.



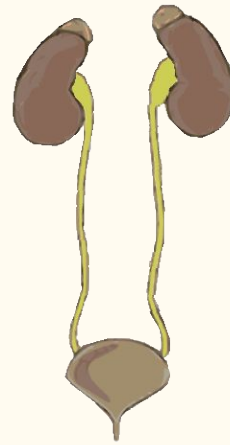
Urinary System

Pronunciation: (Ur-in-air-y Sis-tum)

Part of speech: Noun

Definition: A groups of organs that filter waste from an organism's blood and excrete it in a liquid called urine.

Sentence: Our urinary system gets rid of all the items we do not need in our bod after we have already used all of the energy.



Vaccine

Pronunciation: (Vax-een)

Part of speech: Noun

Definition: A small amount of a weakened pathogen that is introduced into the body to stimulate the production of antibodies.

Sentence: The flu shot most people get around flu season is an example of a vaccine.

