Use the vocabulary words and definitions below as a reference for this unit.

arteries	blood vessels that contain blood traveling away from the heart
atrium	the top chamber of both sides of the heart (<i>pl.</i> atria)
bile	a substance produced in the liver and stored in the gall bladder that works specifically to dissolve fat in the small intestine
bones	sections of the skeleton; serve as the framework for the body, anchors for the muscles, factories for blood cells, and storage places for calcium
bronchi	the two branches of the windpipe that descend to the right and left lungs (<i>sing</i> . bronchus)
capillaries	tiny blood vessels where pickup of wastes and delivery of oxygen and food takes place; connect arteries to veins
cardiac muscle	tightly woven involuntary muscle that makes up heart muscle
cartilage	a soft, flexible substance that sometimes hardens into bone as it ages

diaphragm	the dome-shaped muscle at the base of the chest cavity that contracts and lowers to draw oxygen into the lungs, then relaxes and rises to push carbon dioxide out
enzymes	proteins that speed up the breakdown of food into molecules in the digestive system; also speed up chemical reactions
epiglottis	a little flap of tissue in the throat that protects the opening to the windpipe
esophagus	the tube that carries food to the stomach
hemoglobin	the protein that colors red blood cells and allows them to carry oxygen to the tissues
involuntary muscles	muscles that operate completely outside of conscious thought, whether we want them to do so or not
larynx	also known as the voice box; a structure in the windpipe in which the vocal cords vibrate with passing air to make sound
ligaments	tough fibers that help hold bones together
nephrons	tiny filtering units in the kidneys

organ	a body structure made up of a number of cell tissues that works as a unit to perform a specific function <i>Example</i> : heart, lungs, brain
periosteum	a tough layer of tissue covering the outside of the bone
plasma	the liquid part of the blood
platelets	pieces of larger cells formed in the bone marrow that have no nuclei and are even smaller than red blood cells; they work with proteins in the plasma to clot the blood
red blood cells	small, disk-shaped cells containing hemoglobin; they deliver oxygen to body cells and pick up carbon dioxide
saliva	a fluid released from glands in the mouth that soaks into food and helps in chewing, swallowing, and digesting
skeletal muscles	voluntary muscles that move the bones of the skeleton <i>Example</i> : muscles found in arms and legs
smooth muscle	involuntary muscle contained in many parts of the body <i>Example</i> : muscles found in walls of stomach, intestines, and blood vessels
solid bone	very dense and strong; a storage place for calcium; usually found around the edges of bones

spongy bone	has many small holes; strong, like solid
	bone, but more lightweight; usually
	found at the end of bones

tendons strong fibers that attach muscles to bone **urea** a waste product that is made up of leftover parts of used proteins and is high in nitrogen **urethra** the passageway out of the body for urine **urine** urea and other waste substances that are collected in the bladder veins blood vessels that contain blood traveling back to the heart **ventricle** the bottom chamber of both sides of the heart

voluntary muscles muscles you choose to use at will

white blood cells cells that surround and destroy microorganisms that invade the body; larger than red blood cells