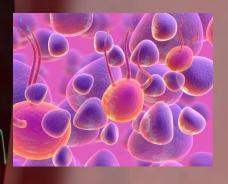
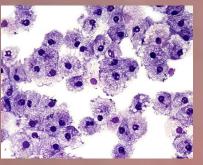
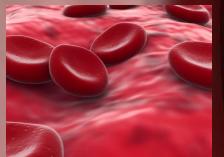


Cells

Cells are the smallest living structures.



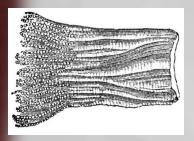




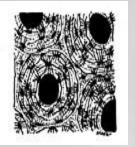
All living things are made up of one or more cells.

Tissue

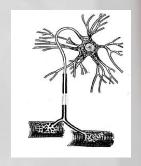
A tissue is a group of the same type of cell working together to do the same job.



Muscle Tissue



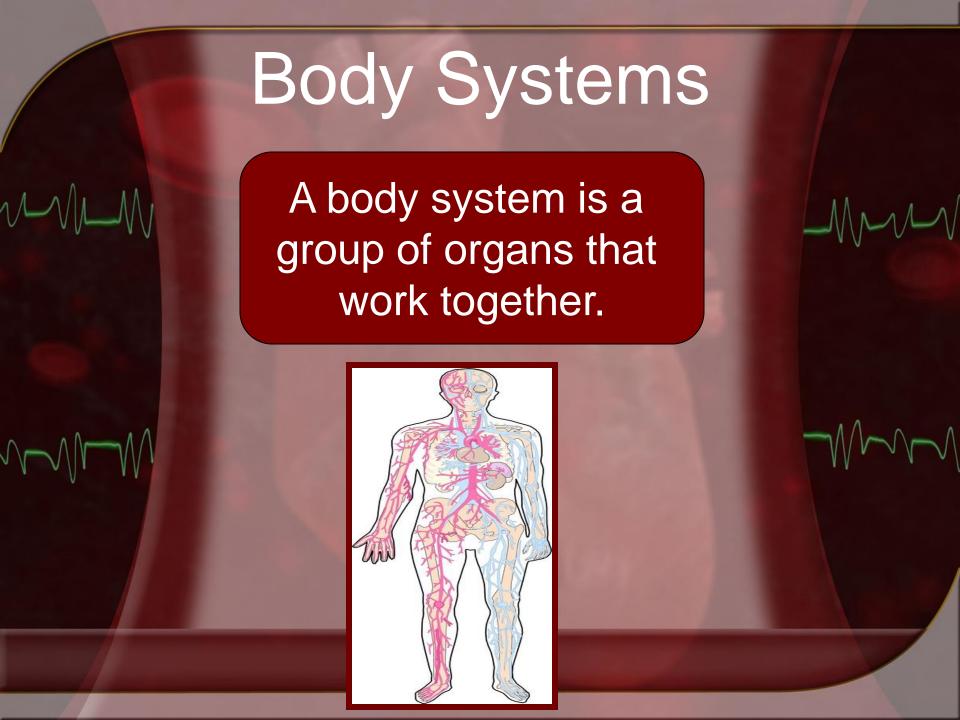
Bone Tissue



Nerve Tissue

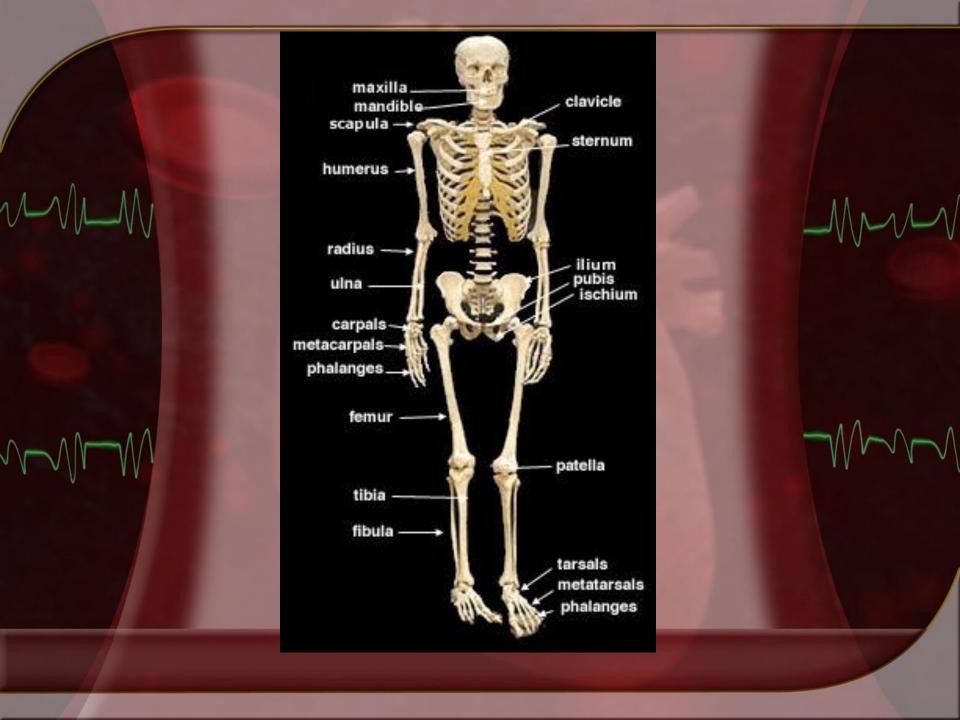


An organ is a grouping of different tissues into one structure to perform a specific function.



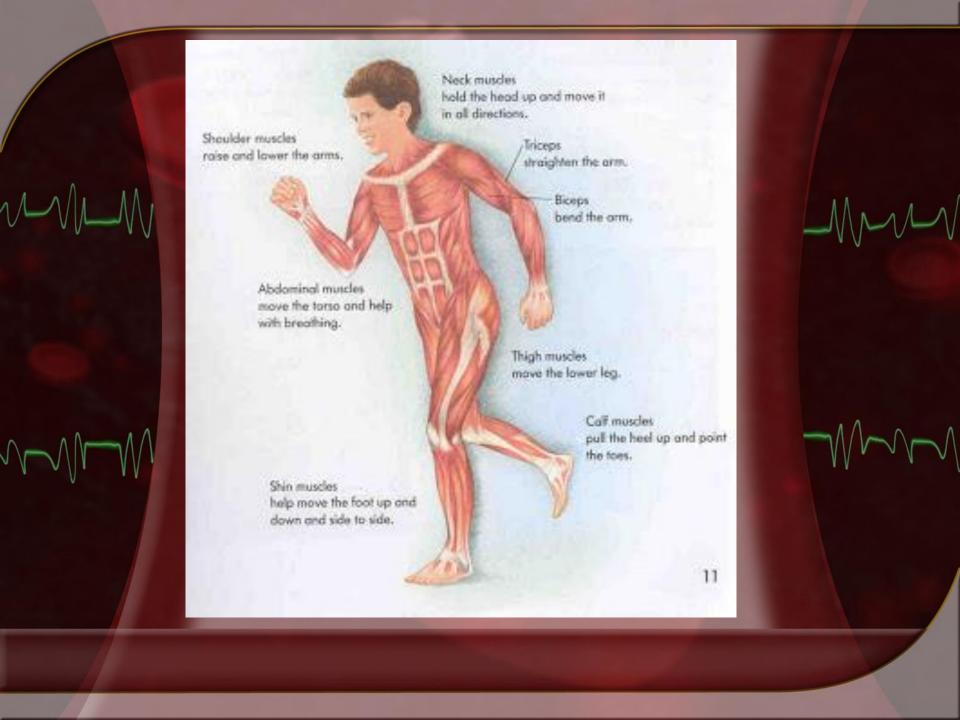
Functions of Body Systems

<u></u>	Body System	Function	Organs Involved
	Skeletal System	 Supports your body and gives it shape Protects your internal organs Helps you move Stores substances Makes blood cells 	 bones cartilage (a strong tissue that is more flexible than bone joint (where 2 or more bones meet)



Functions of Body Systems

Body System	Function	Organs Involved
Muscular System	 Moves your body parts Moves food through your digestive system Pumps blood through your circulatory system Makes you breathe 	 skeletal muscles (move bones) heart muscles (make your heart beat and pump blood) smooth muscles (found in many organs, work automatically but you can
		control too



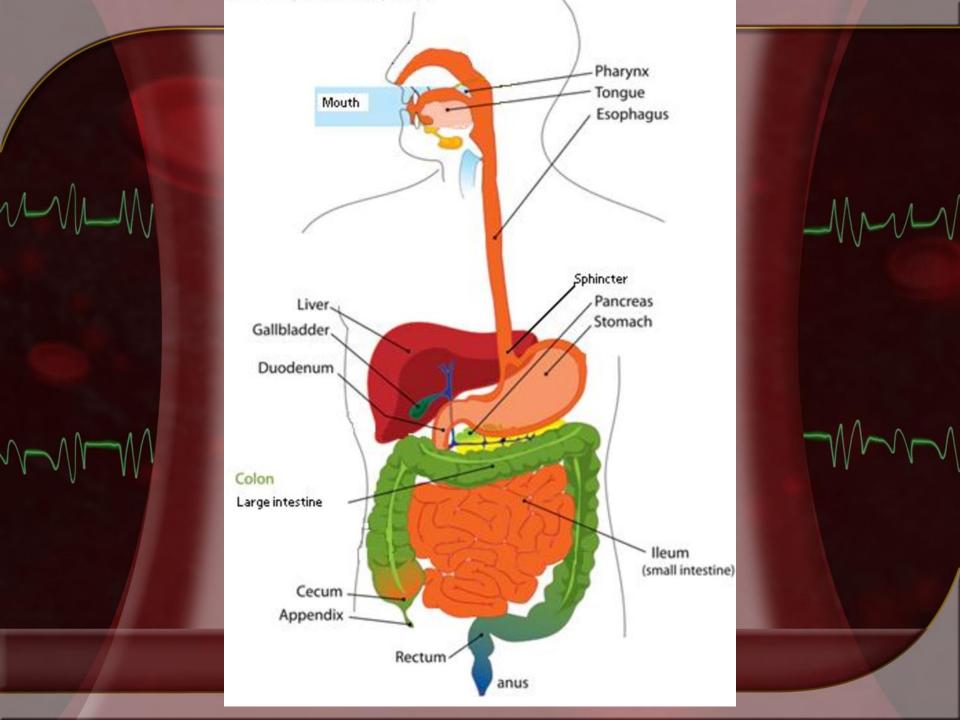
Functions of Body Systems

Body System	Function	Organs Involved
Digestive System	 Breaks down food into nutrients (simple substances that your cells can use to survive & grow Gets rid of solid waste from digestion 	 mouth (digestion begins, teeth grand, saliva breaks down) esophagus (swallow, takes food to stomach stomach (muscles churn food & mix it with digestive juices

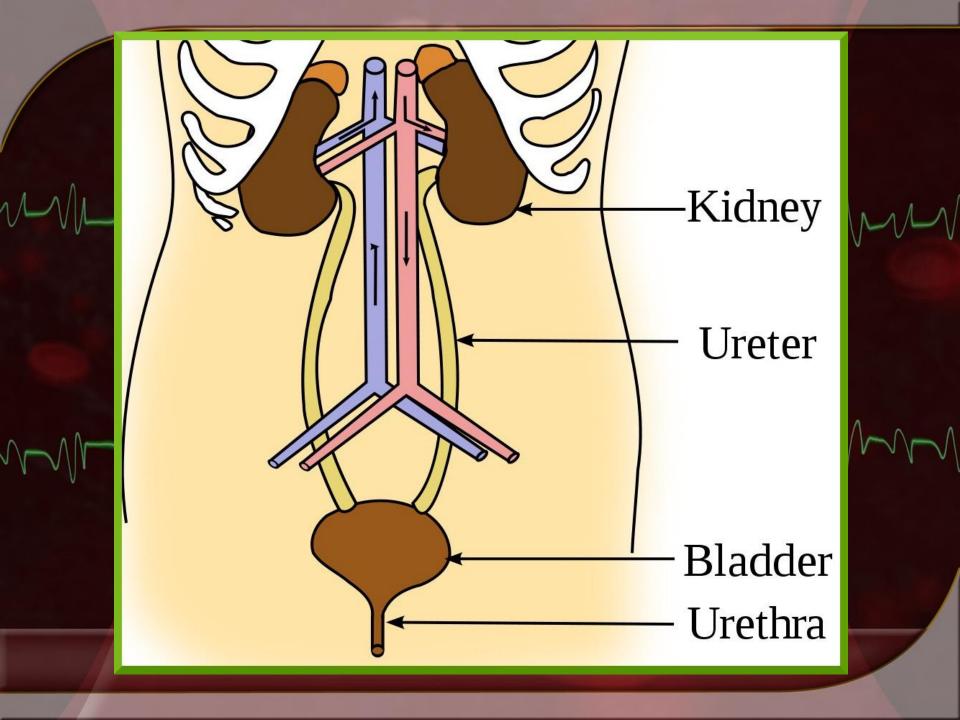
Digestive System continued...

Organs Involved

- <u>liver</u> (makes digestive juice called bile, cleans blood coming from your digestive organs)
- gall bladder (stores bile and passes it to your small intestine)
- <u>pancreas</u> (secretes enzymes & breaks down sugars that pass to small intestine)
- <u>small intestine</u> (digestive juices from liver and pancreas finish digesting the food. Nutrients move to your blood
 - stream and undigested materials move to your large intestine)
- <u>large intestine</u> (removes water from undigested material, water passes to your blood, solid waste goes to rectum)
- <u>rectum</u> (stores solid wastes until you are ready to get rid of them)
- anus (waste leaves your body)



Body System	Function	Organs Involved
Excretory System	 gets rid of waste that cells produce removes liquid wastes and waste gases 	 kidneys (2 organs, filter waste from the blood) ureters (2 tubes that carry urine from your kidneys to your bladder bladder (collects and stores urine) urethra (releases stored urine)

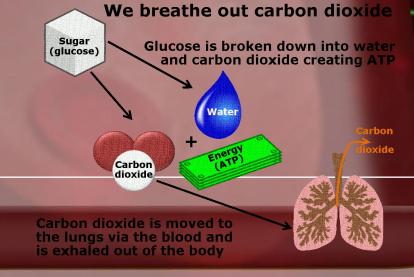


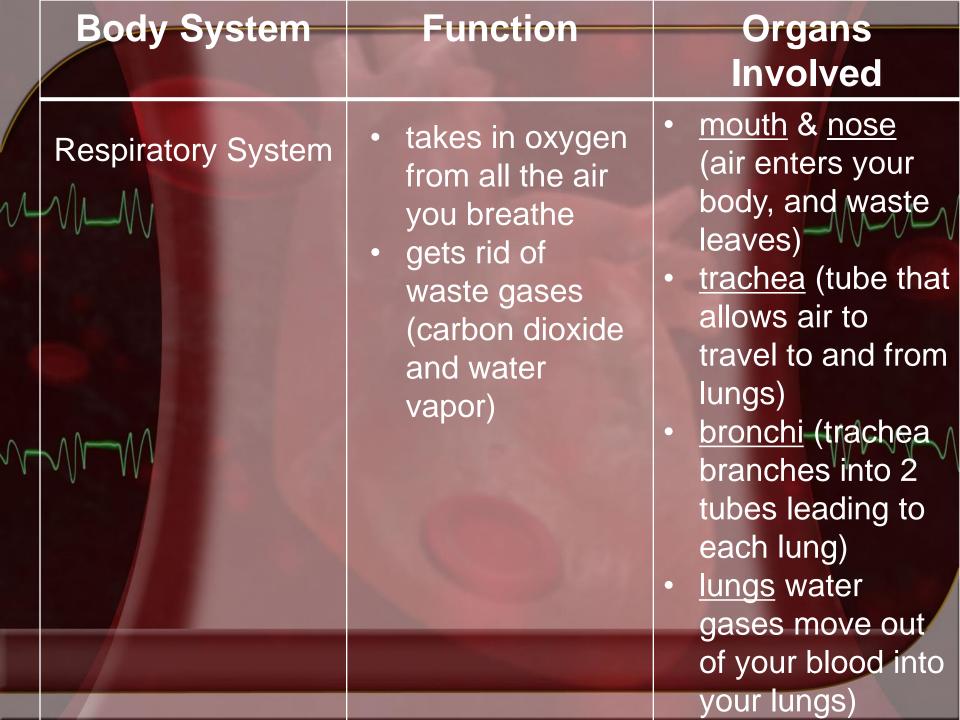
Excretory System continued...

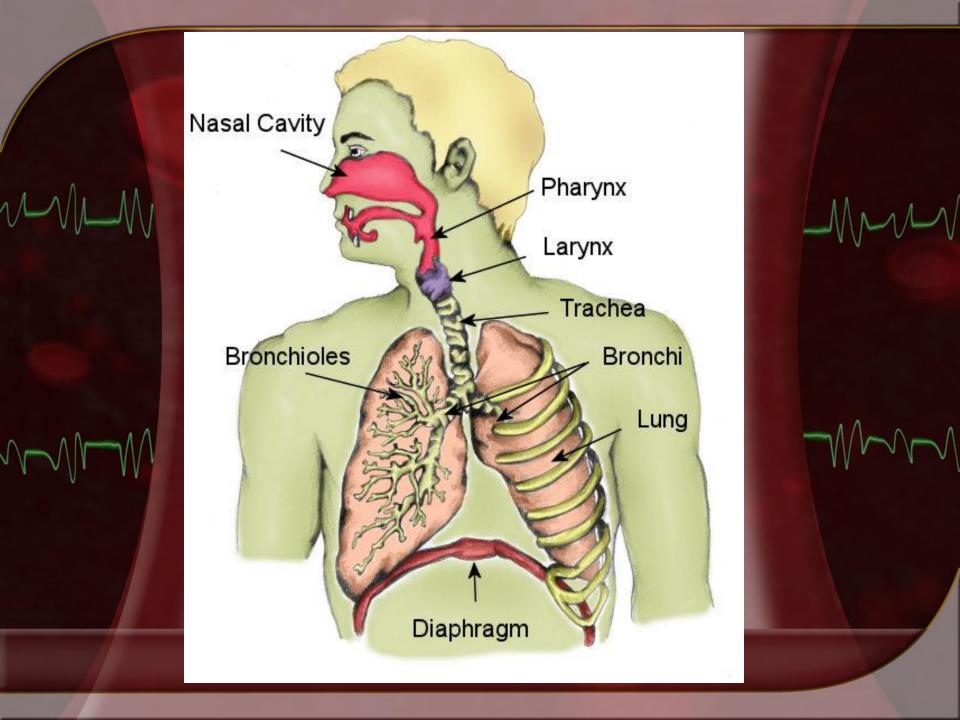
Organs Involved

- skin (largest organ in your body; water and waste leave your skin in perspiration)
- <u>lungs</u> (cells produce waste, two of those wastes are carbon dioxide gas and water. Both leave your cells and enter your blood. Blood travels to your lungs through blood vessels. Every time you breathe out, carbon dioxide gas and water

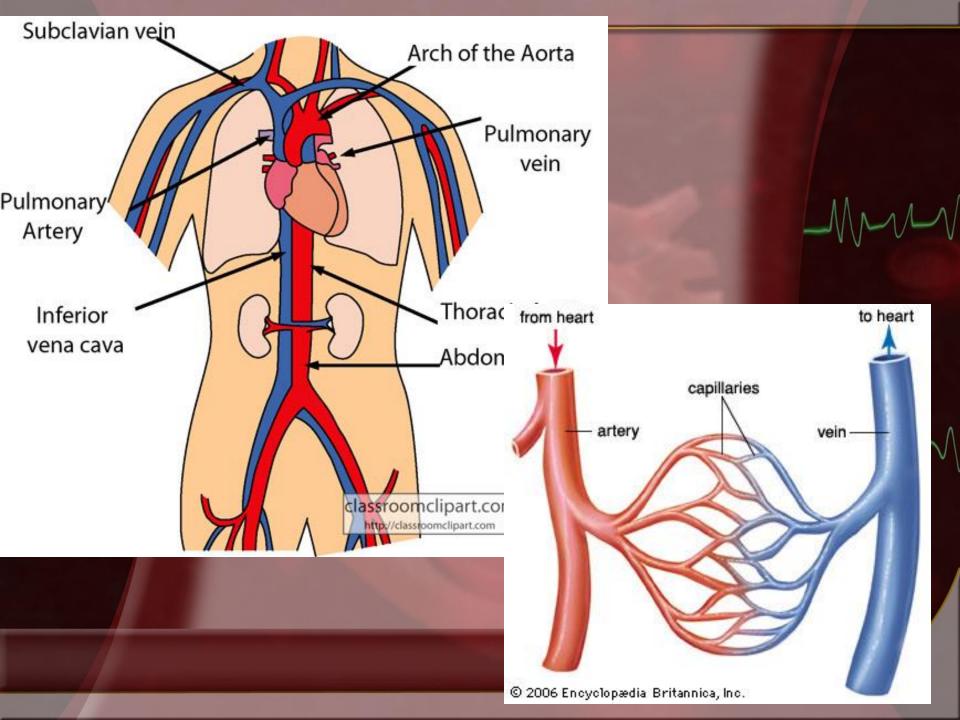
vapor leave your body)





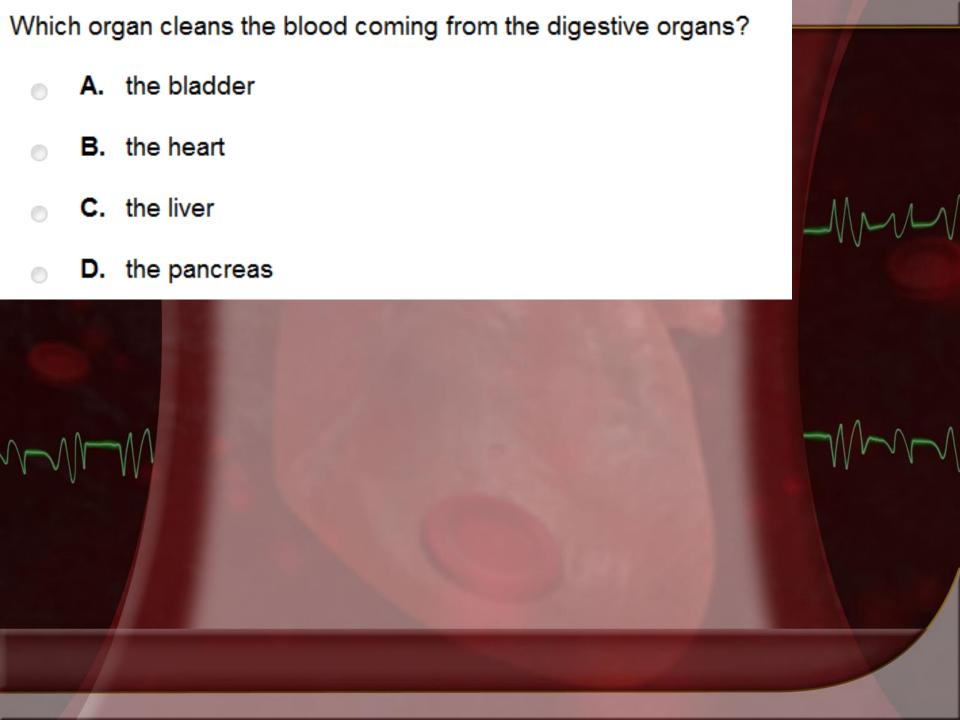


Circulatory System * moves blood throughout your body • delivers nutrients and oxygen to all cells • removes carbon dioxide and wastes from cells • helps fight disease * heart (pumps blood through your blood vessels) • arteries (take blood away from the heart to other organs) • capillaries (connect arteries to veins) • veins (carry blood back to the heart)	Body System	Function	Organs Involved
	Circulatory System	throughout your body • delivers nutrients and oxygen to all cells • removes carbon dioxide and wastes from cells • helps fight	blood through your blood vessels) • arteries (take blood away from the heart to other organs) • capillaries (connect arteries to veins) • veins (carry blood back to the



Body System	Function	Organs Involved
Nervous System	 controls all other systems in your body receives information about your environment stores memories allows you to think 	 brain (cerebrum, cerebellum, brain stem) spinal cord (long bundle of nerves, sends messages from nerves to brain) nerves (carry messages from all body parts to spinal cord) sense organs (eye, ear, nose, tongue, skin)

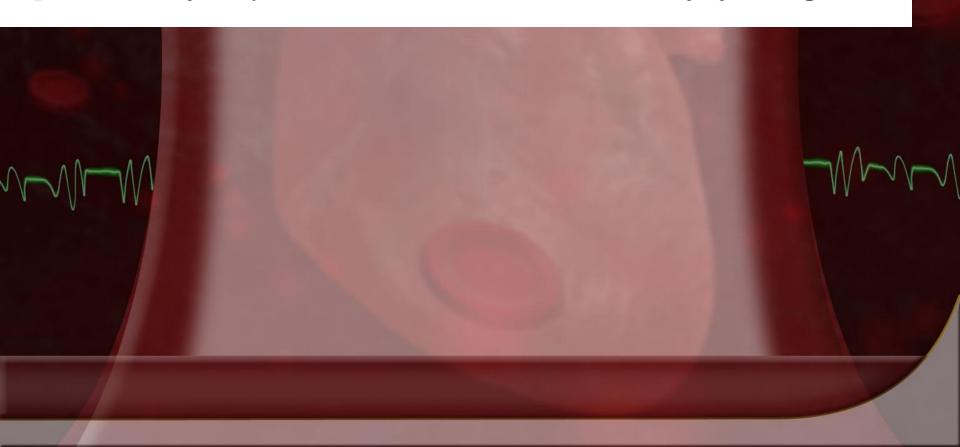
Which of the following organs helps with digestion and processes sugar in the body? A. the kidneys B. the liver C. the lungs **D.** the pancreas

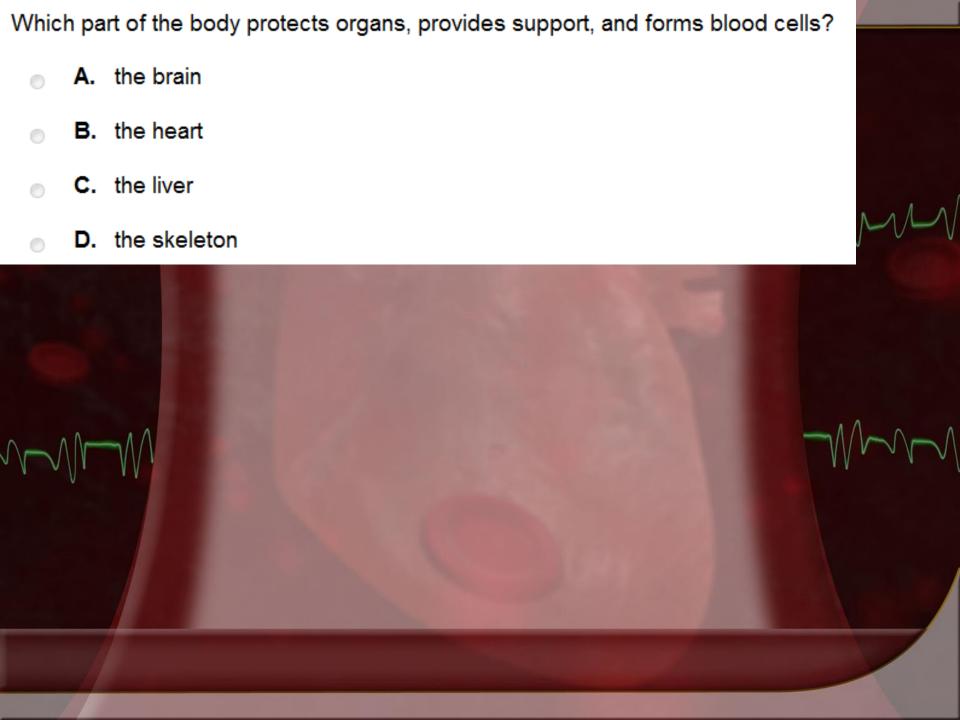


Which answer **best** describes the purpose of the liver in the human body? A. The liver mixes blood and oxygen. B. The liver removes excess fluids from the body. C. The liver stores large quantities of blood and oxygen. D. The liver cleans the blood coming from the digestive organs.

What is the purpose of the kidneys in the human body? A. Kidneys mix blood and oxygen together.

- B. Kidneys store unwanted fluids until they can be removed.
- C. Kidneys help to clean the oxygen that comes from the lungs.
- D. Kidneys help balance the salts and acids in the body by filtering blood.

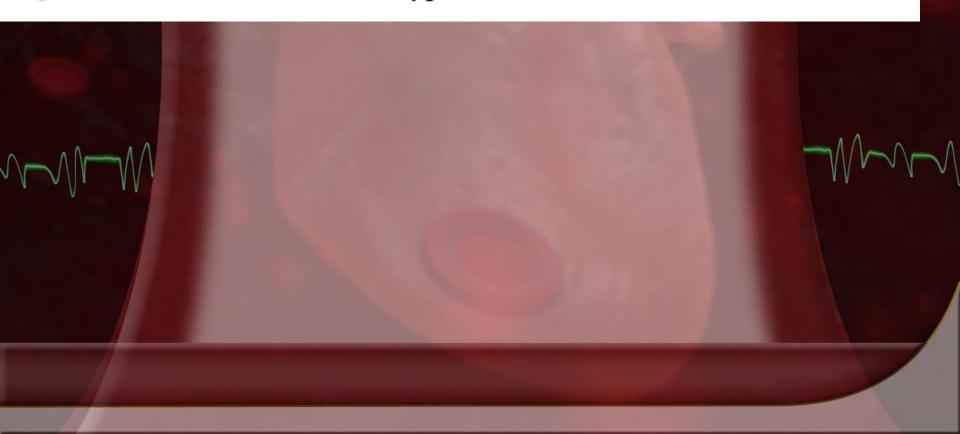




Which organ does most of the processing of nutrients in the human body? A. the kidneys **B.** the large intestine C. the pancreas D. the small intestine

Which answer best describes the purpose of the muscles in the human body?

- A. to protect tissues and form blood
- B. to remove and use nutrients from food
- C. to produce movement and provide support
- D. to combine blood and oxygen needed for movement



What is the purpose of the small intestine in the human body? A. combines oxygen and blood B. stores urine for later removal C. removes water from waste matter D. digests and absorbs nutrients from food