

Digestive System

By:

5th and 6th Graders

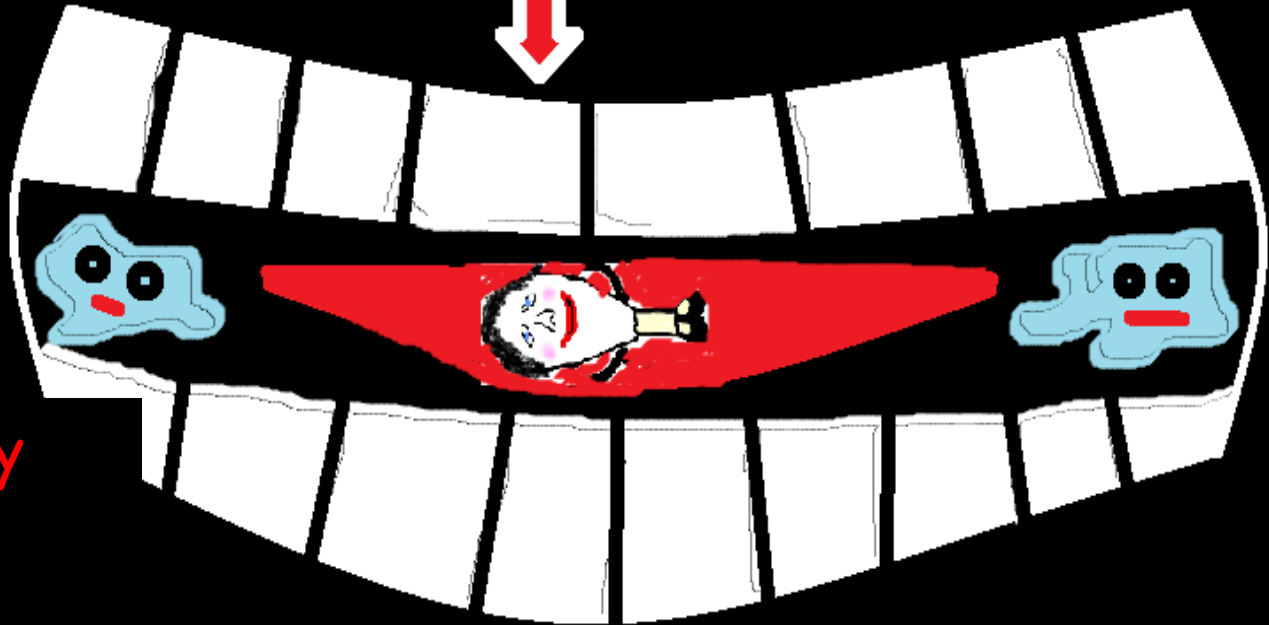
Mouth

The mouth is where both mechanical and chemical digestion happen. The mechanical digestion is chewing the food into little pieces. Chemical digestion is when enzymes break the food down for you to absorb its nutrients. After it is all mushy, the food mixes with the salivary amylase, which helps break down the food even more.

Mouth



Salivary
Amylase



Esophagus

The esophagus is 30 cm long and 5 cm wide. It has muscles that help push the food down. It takes 6 seconds for the food to go down through it, and water is even faster! The esophagus takes the food all the way down to the stomach.

After the food is pushed into the esophagus it goes straight into the stomach.

Stomach

The stomach is a muscular sack about the size of your fist. It can hold up to 5 liters of water and it expands! The food stays in the stomach for 4 hours. Then, it goes to the small intestine.

— Esophagus

— Stomach

— Acid



Small Intestine

The small intestine is 7 meters long, but it is thin. The small intestine is full of villi which take up our nutrients. Bile is made by the liver. Then, it is sent to the gallbladder and when needed it is ejected to the small intestine to break down our food even more!

Small Intestine



Villi

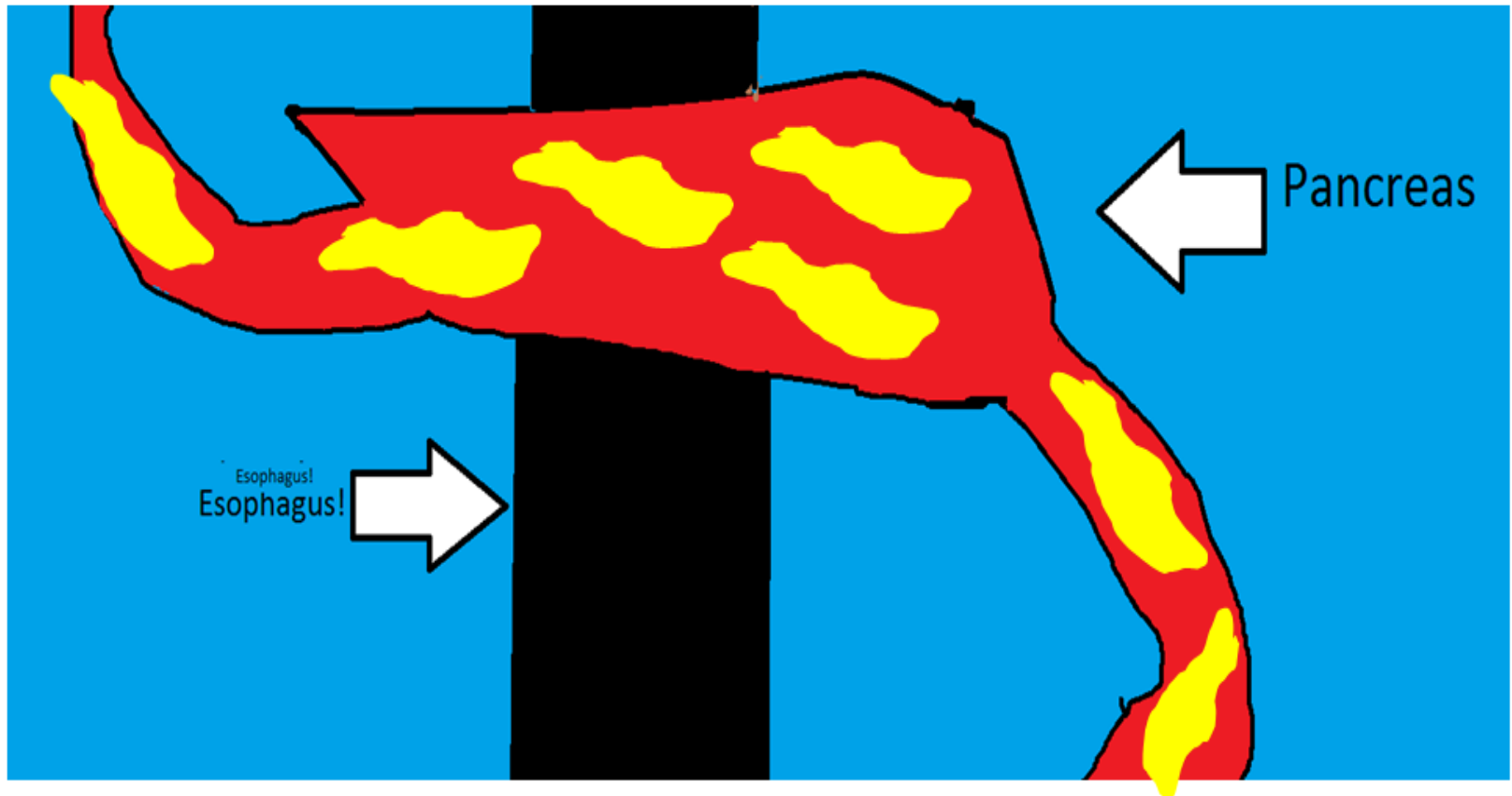


Pancreas

The pancreas creates a pancreatic liquid. The pancreas neutralizes the stomach's acid. It is located between the stomach and the spine. It touches a bit of the duodenum.

Pancreas

The pancreas has these digestive enzymes which help absorb the nutrients and also help the digestion in the small intestine.



Large Intestine

The large intestine is very wide, but not very long. In the large intestine most of the water is absorbed into the body. The food stays there from 12-18 hours. What remains of the food is a solid waste, stored in the rectum and then when you are ready, you release it from the anus.

Conclusion

- In conclusion, our digestive system is very helpful because without it, we would not be able to survive and take nutrients into our bodies.

The End!

Credits:

Camilo

Carla

Cynthia

David

Dominic

Gabriela

Gabriel

Eugenia

Rafael

Victor