

Digestive System Parts

A stylized, cartoonish illustration of the human digestive system. The background is a warm, orange-toned gradient. The digestive organs are depicted in various shades of orange, red, and brown. The esophagus is a vertical tube in the center. The stomach is a large, rounded organ below the esophagus. The liver is a large, dark brown organ to the left of the stomach. The pancreas is a smaller, lighter brown organ below the stomach. The small intestine is a long, coiled tube that winds through the abdominal cavity. The large intestine is a larger, more prominent coiled tube that forms a rectangular shape around the small intestine. The illustration is simple and educational, suitable for a children's book or a classroom poster.

Thursday 14th January 2021

LO: To describe how the human digestion system works

Success Criteria

- I can name parts of the digestive system.
- I can identify parts of the digestive system.
- I can construct the digestive system.

Today you will be conducting a demonstration to show digestion. You will need:

- 1 leg from a pair of tights
- 2 paper cups
- A cup of cola (can be any liquid to represent the stomach acid)
- 2-5 slices of bread
- Sealable sandwich bags
- A cup of water
- A bowl

If you can't conduct your own demonstration at home don't worry! Watch the link here for a similar demonstration! It isn't exactly the same! But still shows digestion in the human body 😊

<https://www.youtube.com/watch?v=Qsa2auNfc34>

Digestive System

Digestion is a scientific way of describing how we break down our food. It describes everything that happens to our food once it enters our mouths.

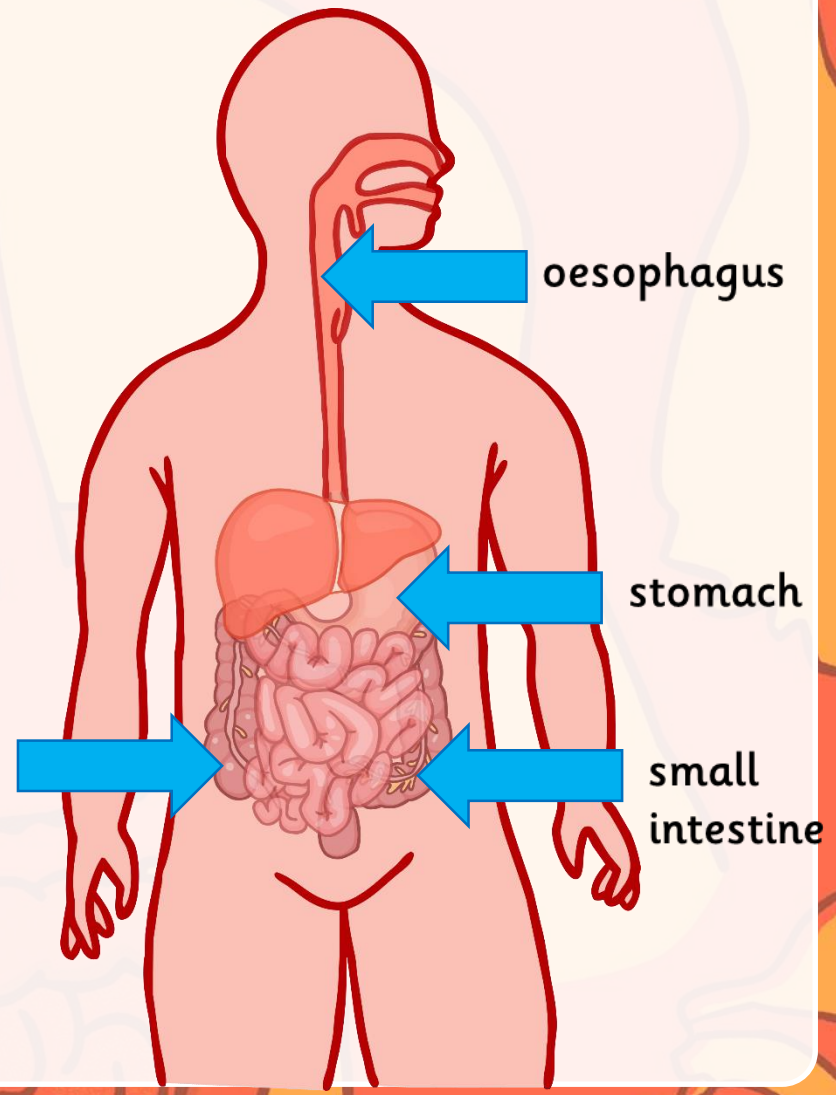
The digestive system starts in our mouths. Which sentences describe the tongue, mouth and teeth?

- A) Crush the food into smaller pieces
- B) Moves food around and allows you to swallow and taste food.
- C) Digestion begins here. This is where food is broken down by chewing.

What happens next?

When food is swallowed it leaves the mouth and enters your oesophagus. The oesophagus is a long tube that connects your mouth to your stomach.

Your food doesn't just drop down your oesophagus, the muscles in the oesophagus squeeze the food down like toothpaste being forced along a tube to the other side!



Demonstration

After the oesophagus, your food enters your stomach. Your stomach is like a large sack which churns your food with strong acid. Coke has acid in it. If we mix some bread with some coke in a sealed bag and churn it around, we can see how the stomach works!



After the stomach, your food enters your intestines. Your small intestine breaks down your food even more and absorbs nutrients through its walls and into your blood. The large intestine then lets water be absorbed through its walls and back into your body. A pair of tights can show us how the intestines work!



After that the waste travels to the rectum, which is an 8-inch chamber that connects the colon to the anus. It is the rectum's job to receive waste from the large intestine, to let you know that you need to go to the toilet.

The anus is the last part of the digestive tract. This is where you deposit the waste.

Main Task

Thursday 14th January 2021

LO: To describe the simple functions of the basic parts of the digestive system in humans

Year 4 have created a practical demonstration of the human digestive system. Here is an explanation about what we did.

Equipment

1. ½ a pair of tights
2. 2 paper cups
3. A cup of cola
4. 2-5 slices of bread
5. Sealable sandwich bags
6. A cup of water
7. A bowl

Method

Conclusion (What have I learnt from the demonstration)

mouth	oesophagus	stomach	small intestine	large intestine
rectum	anus	finally	finally	after that sandwich bags

