

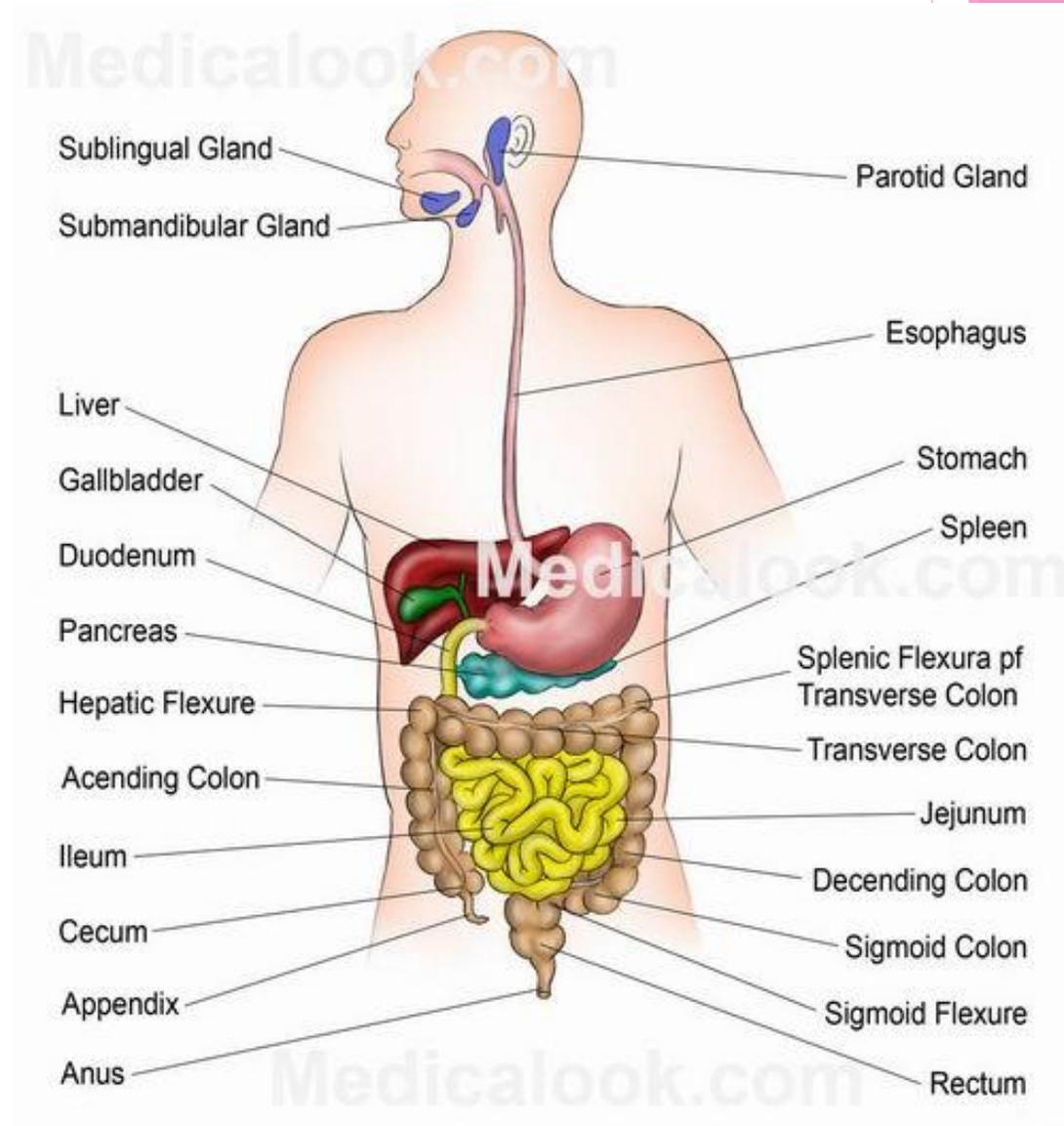
The Digestive System

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How the Digestive System works

[digestive system video](#)

[digestive system](#)



The organs in the Digestive System

1. mouth
2. Esophagus
3. Stomach
4. Pancreas
5. Liver
6. Gallbladder
7. Small Intestine
8. Large Intestine
9. Rectum
10. Anus

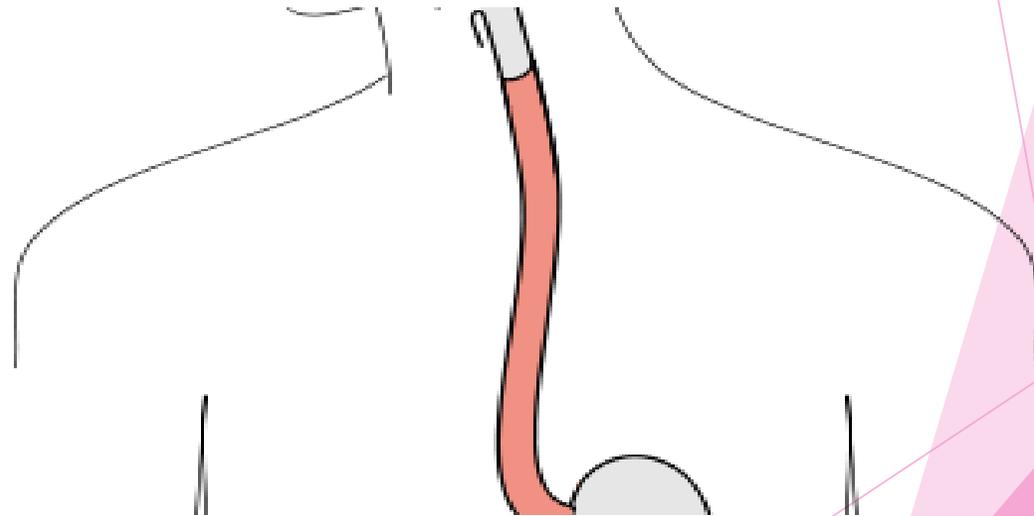
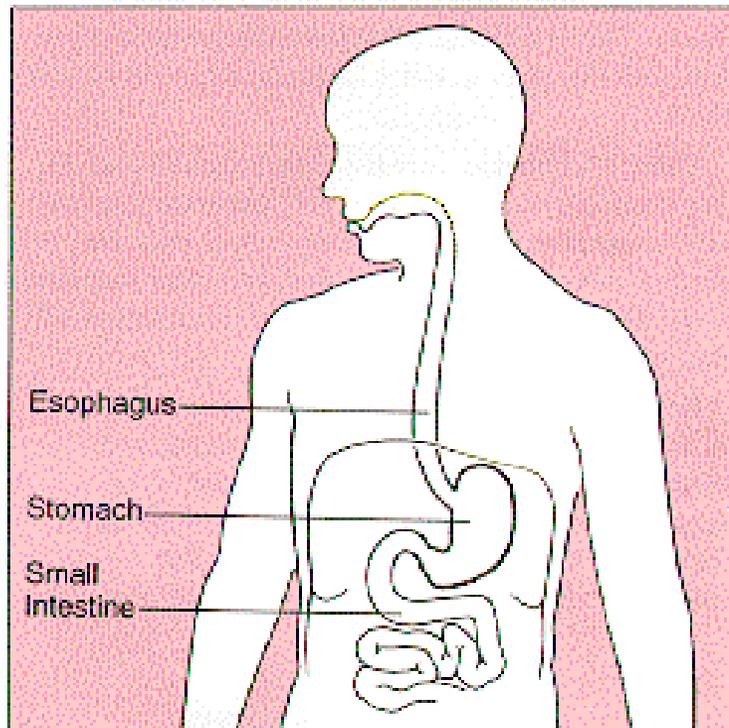
Mouth

The mouth, tongue, and teeth are used to chew food which is the first step of digestion.



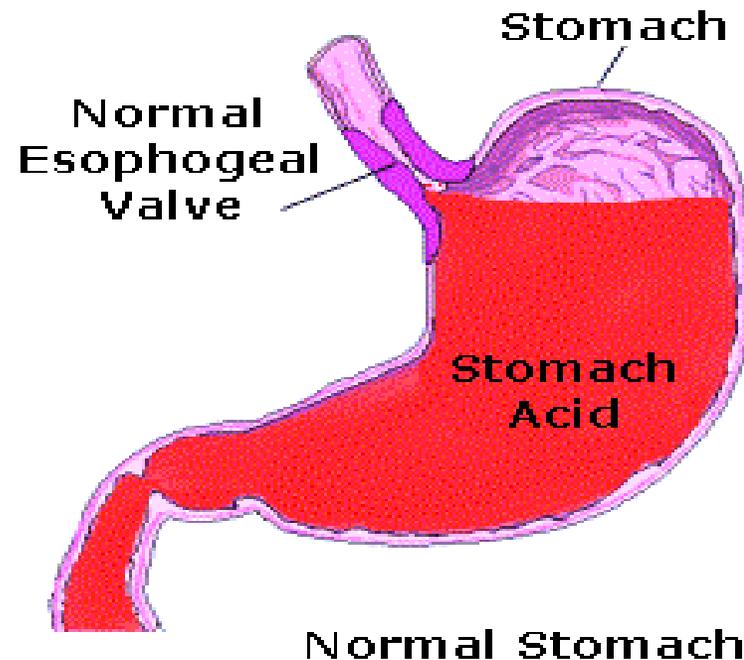
Esophagus

The esophagus connects the mouth and the stomach. The esophagus is important so the food can be sent to the stomach to be digested.



Stomach

The stomach is the place where partial digestion occurs before food is sent to the pancreas, liver, and gallbladder.



Pancreas, Liver, and Gallbladder

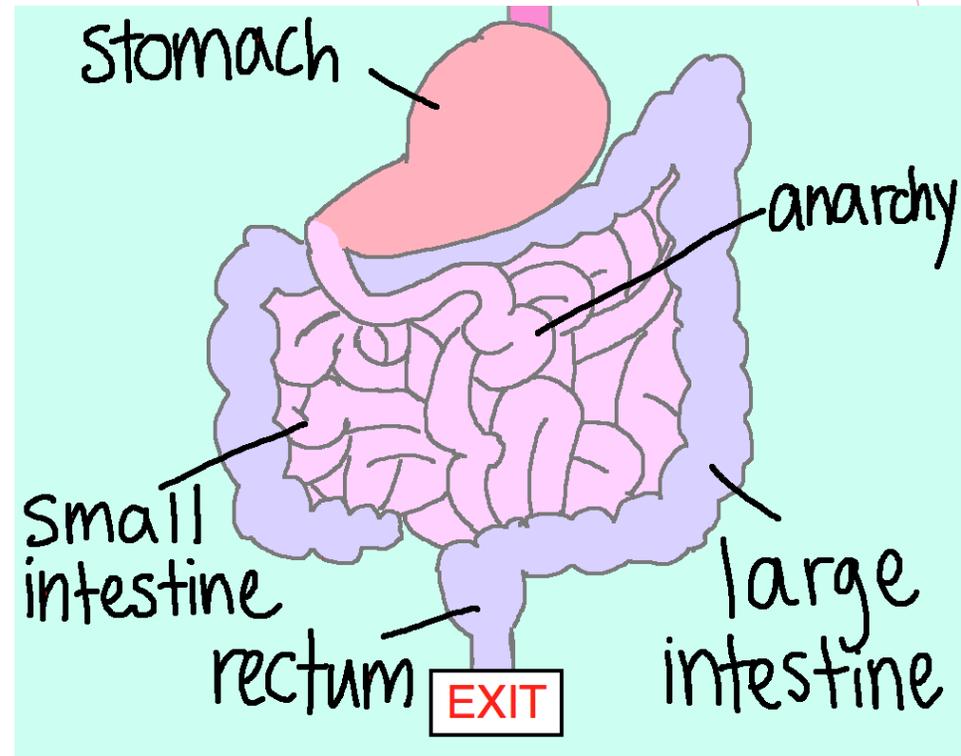
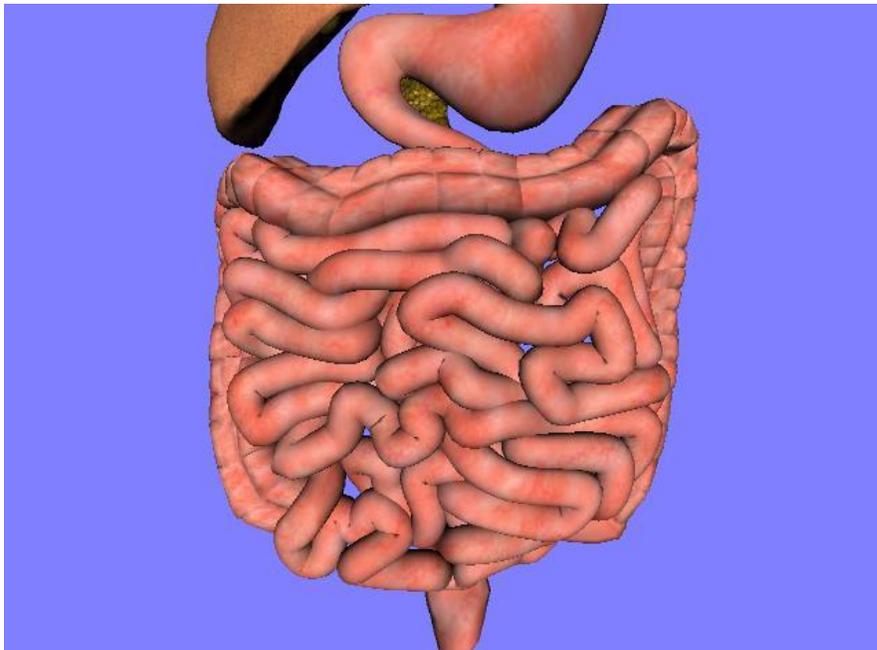
The pancreas produces enzymes for the small intestine that help break down food. It also produces insulin to make the body's sugar level normal.

The liver regulates the bloodstream. It makes sure the right amounts of sugar, fats, and protein are inside the bloodstream.

The gallbladder is storage for leftover bile from the stomach that helps break up fats.

Small Intestine

The small intestine absorbs 90% of the nutrients we intake. Food stays in the small intestine for any time between one and four hours.



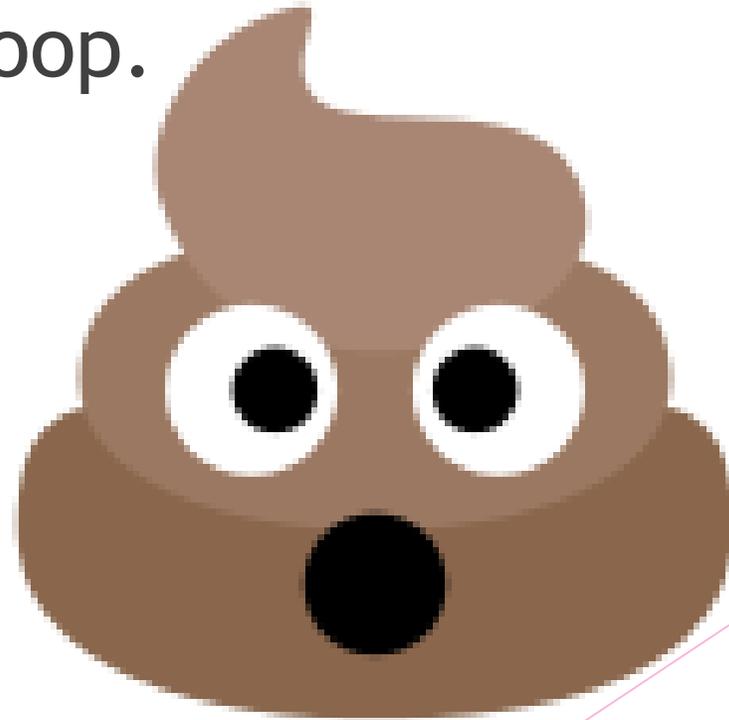
Large Intestine

The large intestine absorbs leftover water in indigestible foods. It also gets rid of useless material in the body. Humans can live without their large intestine unlike with organs like the stomach.



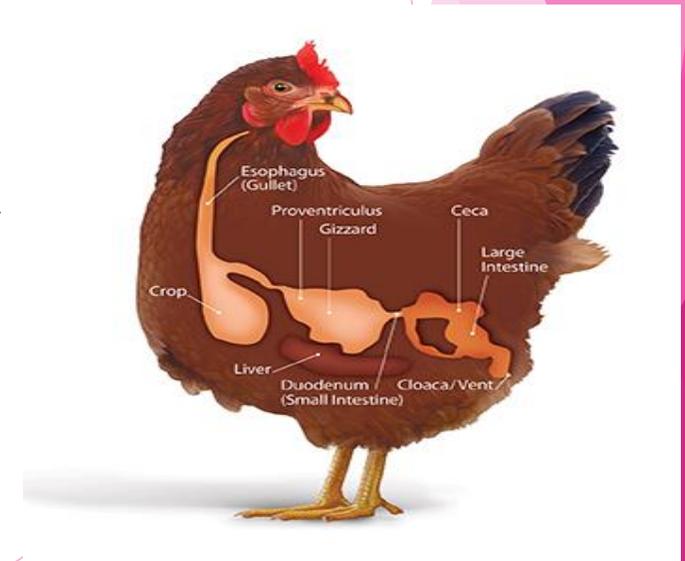
Rectum and Anus

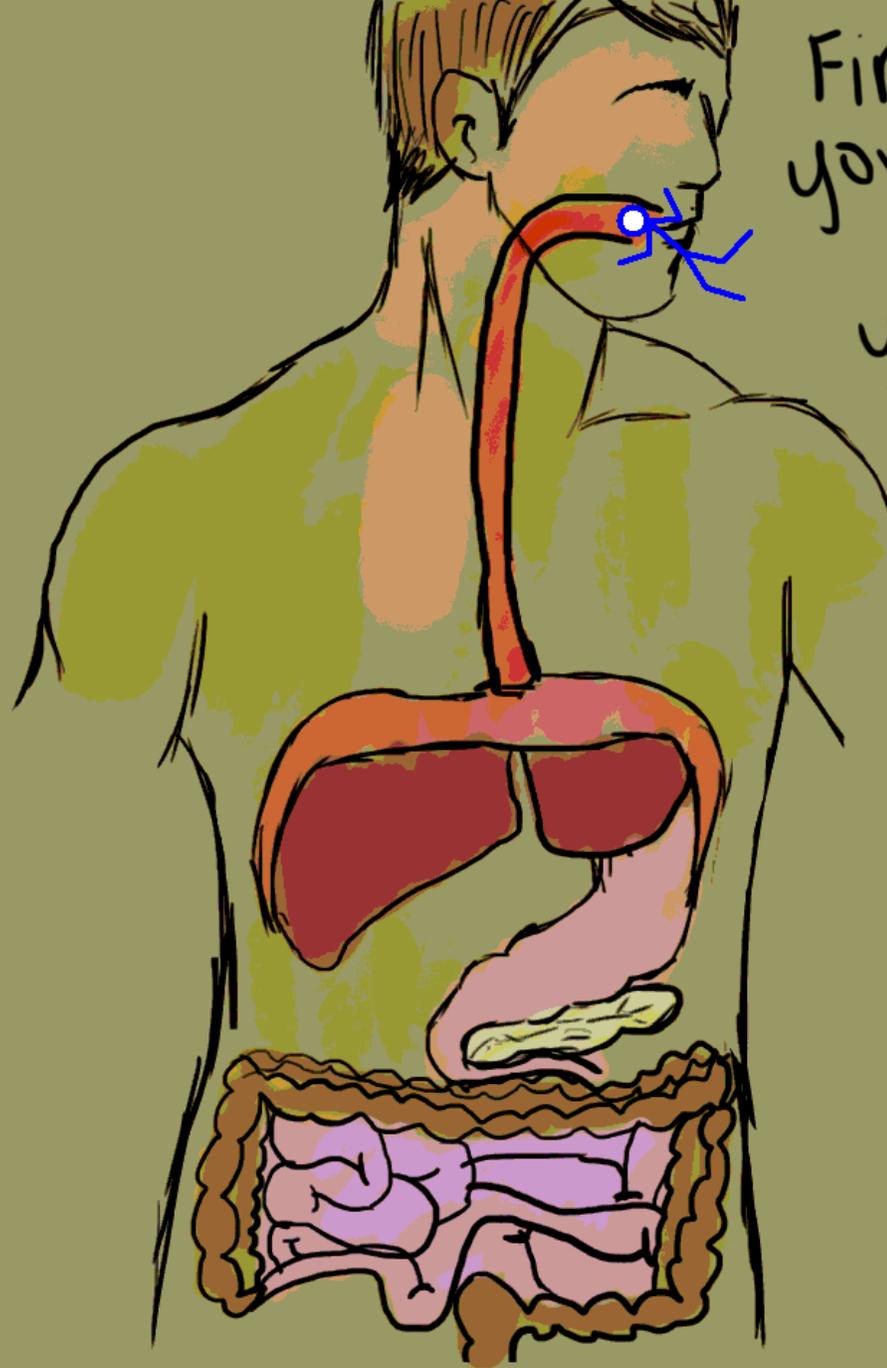
The rectum is the last straight section of the large intestine before waste gets expelled thru the anus. The anus controls the expulsion of feces aka poop.



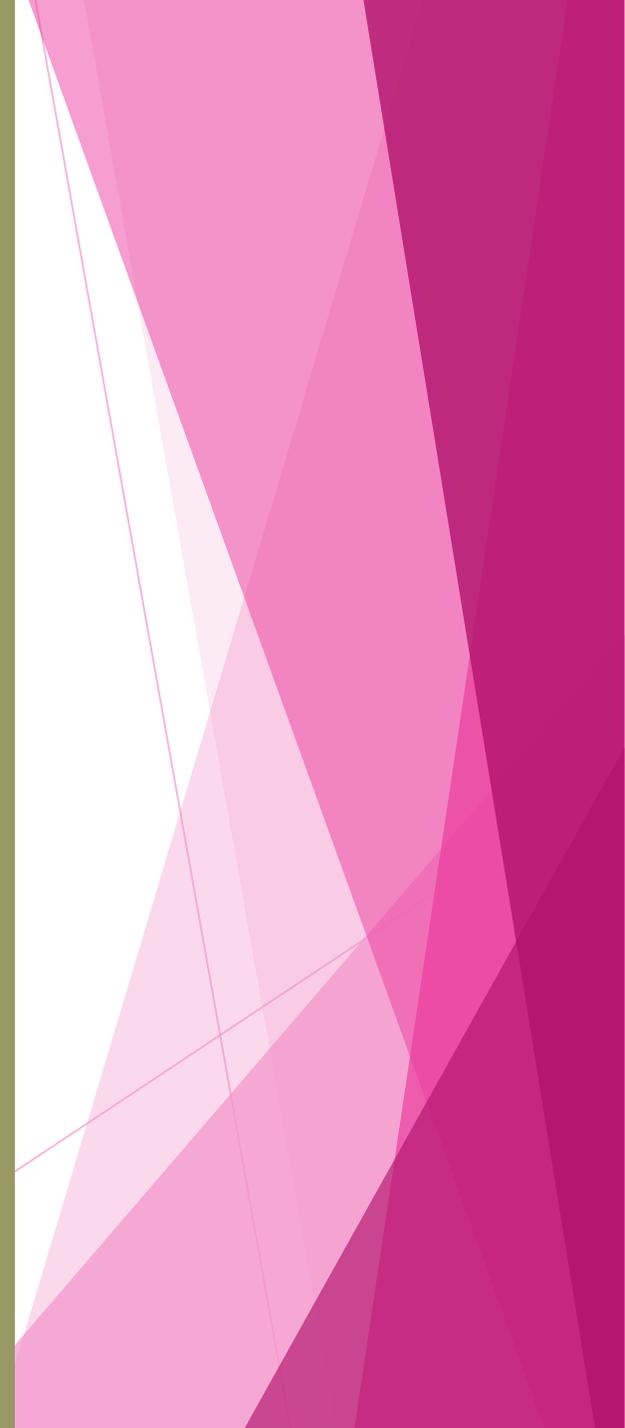
Human Digestion vs Chicken Digestion

The chickens food goes into its mouth. Then down the esophagus and into the crop. The crop is a storage compartment in the chickens throat where food remains for up to twelve years. Then food goes into the gizzard (stomach). In the gizzard food is broken down which is why chickens do not need teeth to eat solid food. Food will next go to the small intestine. Followed by the large intestine. Lastly, the food will either go into the urinary system or down the vent as feces. Vent is another word for anus.





First,
you
chew
your
food!



Quiz

1) What part of the digestive system first causes chemical changes to food?

A)Teeth in the mouth

B)Saliva in the mouth

C)Enzymes in the stomach

D)Enzymes in the small intestine

2) Each organ in the digestive system has a specific function. During digestion, food passes from the stomach into the small intestines. Which statement best describes what takes place in the small intestine?

- A) nutrients are absorbed from the food
- B) wastes are prepared to pass out of the body
- C) food is churned with acid to break down proteins
- D) excess water is reabsorbed into the blood stream

3) Which of the following best describes the correct path of the digestive tract?

- A) mouth, esophagus, stomach, small intestine, large intestine
- B) mouth, stomach, small intestine, esophagus, large intestine
- C) mouth, esophagus, stomach, large intestine, small intestine
- D) mouth, esophagus, stomach, small intestine, large intestine

4) which of the following takes place in the stomach?

- A) the process of digestion begins with chemical and mechanical changes to food
- B) water and other nutrients are absorbed into the blood
- C) acid and smooth muscles continue the breakdown of food particles
- D) waste material is stored and compacted

5) Which of the statements is true about chemical and mechanical digestion?

A) mechanical digestion is when food is broken down into smaller pieces

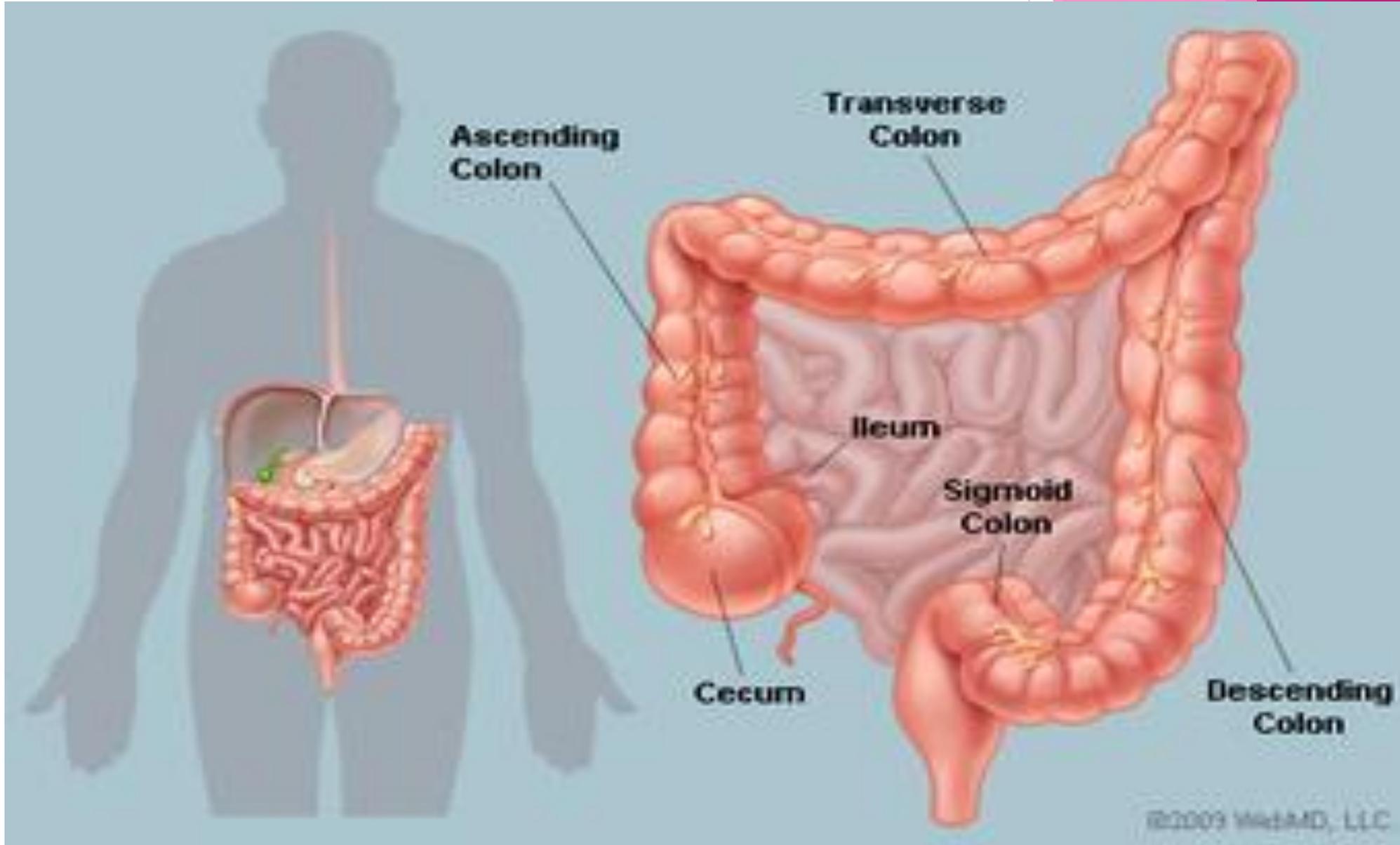
B) chemical digestion is when food is broken down into smaller pieces

C) chewing is mechanical. Stomach acid is chemical

D) All the above are true

6) The rectum the last straight section in the large intestine?

True__
False__



7) Does the small intestine absorb 75% of the water in the body?

True__

False__



8) Does the stomach digest most of the food?

Yes!

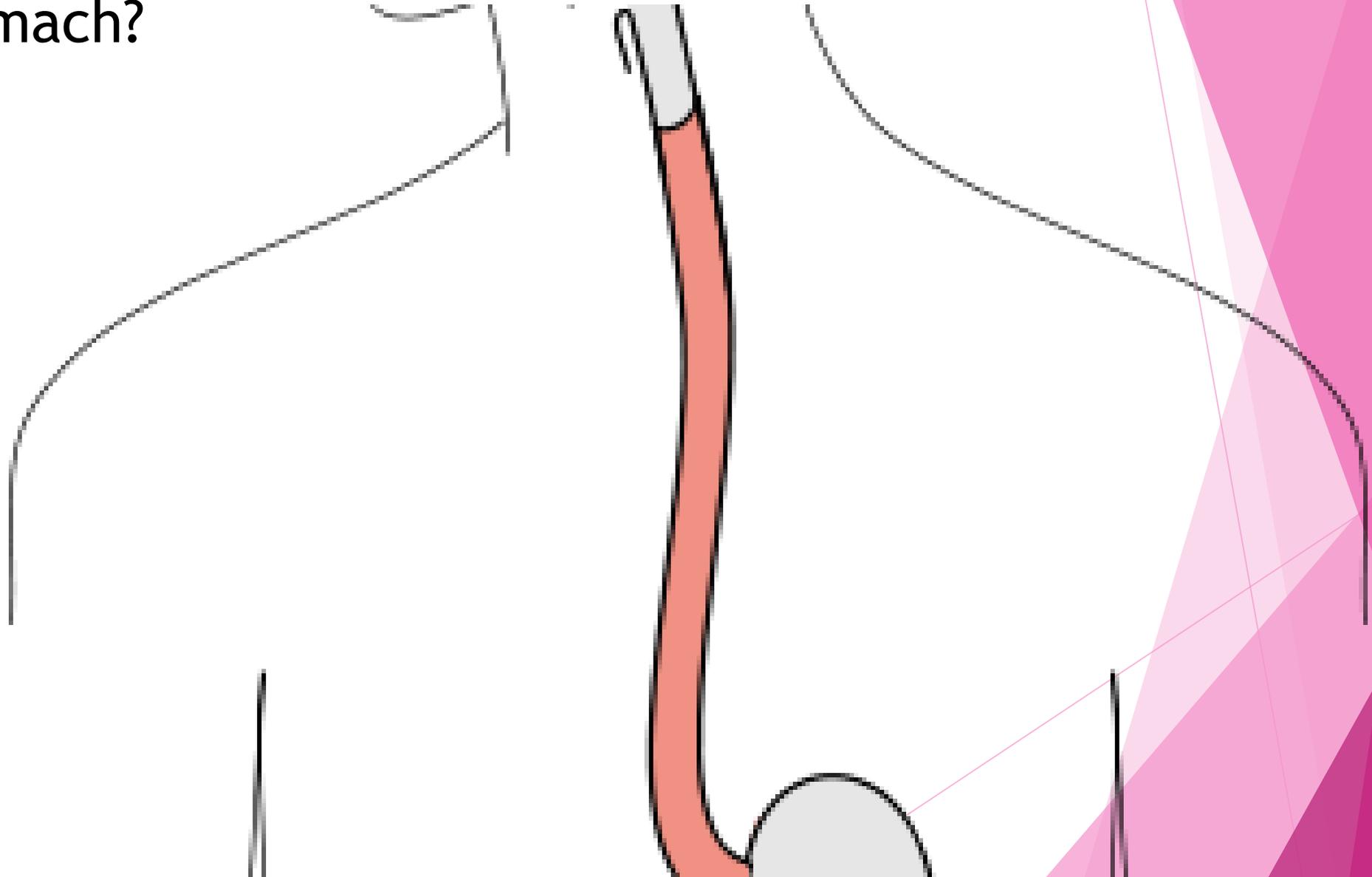
No!



9) Does the esophagus connect the mouth and the stomach?

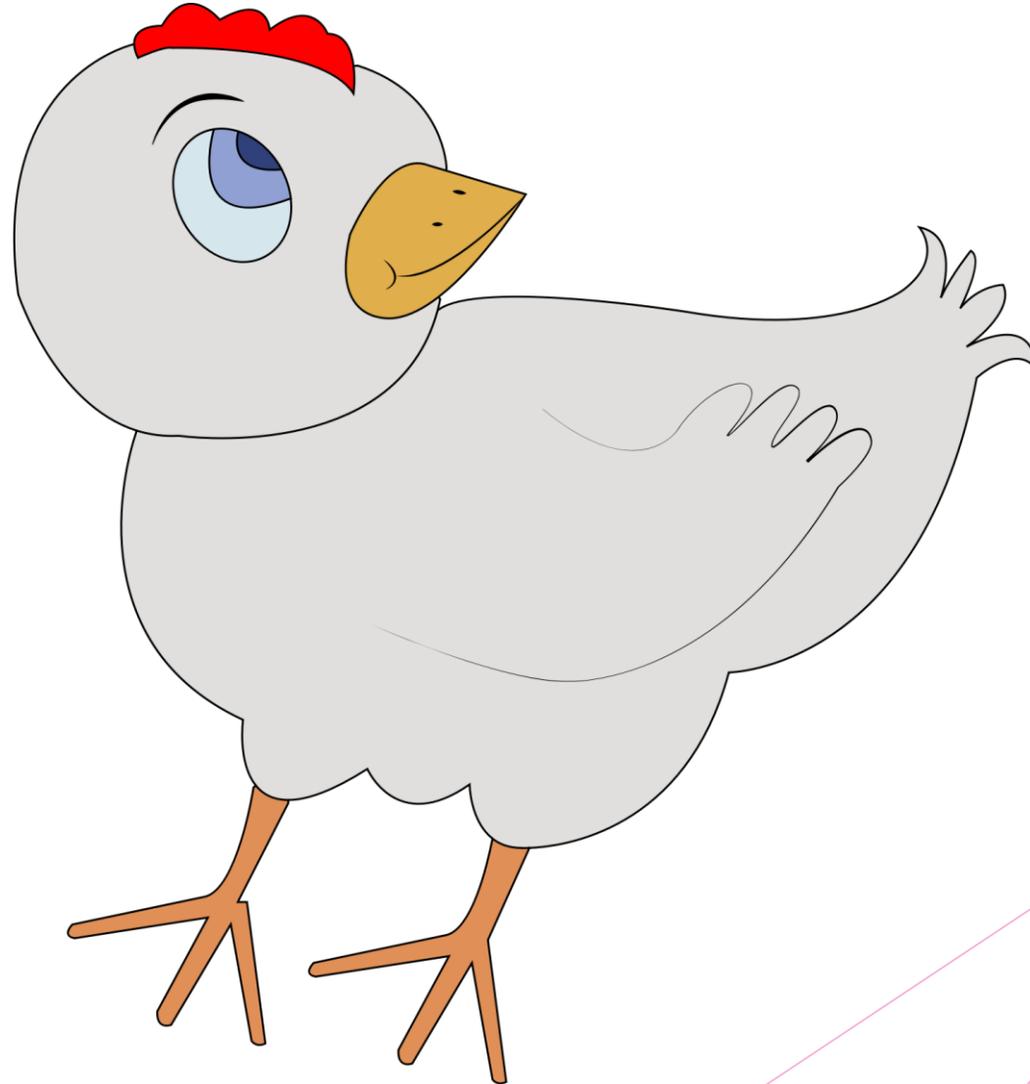
Yes!

No!



10) What is the chickens name for the anus?

- A)The anus
- B)The vent
- C)The hole
- D)the gizzard



How the Digestive System works with other systems

The digestive system is responsible for digesting food and getting rid of waste. The excretory system also gets rid of waste. The esophagus takes food to the stomach but also takes air to the lungs for the respiratory system. The circulatory system monitors the blood in our body, without it we would not be alive to digest food.

THE

END