

WARMUP ?

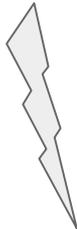
TELL US SOMETHING GOOD

QUESTION:

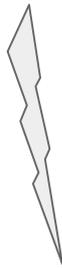
IT IS WHITE, BUT NOT ALL THE TIME. IT

IS PART OF OUR DIGESTIVE SYSTEM.

WHAT AM I??



# THE DIGESTIVE SYSTEM



**By Evelyn, Bella ,Bryan, and Melanie**

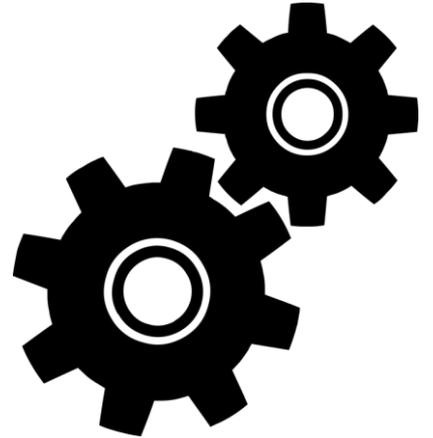
# MECHANICAL VS. CHEMICAL DIGESTION.

Mechanical digestion

When you physically break down food into smaller pieces. Occurs in your mouth.

chemical digestion

Occurs when enzymes break down the food using absorption



# THE PATHWAY FOOD TAKES



- Food enters the mouth and gets chewed up by your teeth
- Carbohydrates are broken down by an enzyme in your spit called salivary amylase
- Your tongue pushes the food down to the opening of your esophagus
- Your esophagus squeezes the food down into the stomach
- In your stomach food is mixed with enzymes and other digestive juices, along with hydrochloric acid which break down proteins and fats
- About 4 hours after being in your stomach it is the consistency of a thick milkshake, it is called Chyme
- The Chyme moves down to the small intestine where digestive juices from the liver and pancreas turn the Chyme into a soup of molecules small

# THE PATH FOOD TAKES PART 2

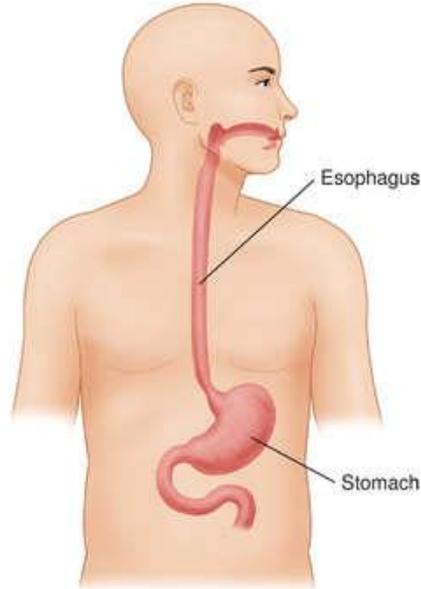
- Chyme reaches the large intestine thin and watery, but the large intestine sucks most of the water out
- When most of the water is gone solid waste is moved to the last part of the large intestine, the rectum
- When enough solid waste is piled up it comes out of the anus; the whole process can take up to 2 to 3 days, but it can depend on your body and the food you eat, for example foods like whole grains, fruits, veggies, and leafy greens take more time to digest.



# ~ ESOPHAGUS

Connects the throat to stomach

After food is in a mass the esophagus squeezes it down into the stomach



# ~STOMACH

- When the stomach receives food from the esophagus, it enters through a muscular valve called the lower esophageal sphincter
- The stomach releases acid and enzymes to digest food
- Stomach muscles contract periodically, churning to enhance digestion
- A muscular valve called the pyloric sphincter opens and allows food to go on to the small intestine

# ~SMALL INTESTINE

7 meters long ( about 23 feet)

In the first part, the duodenum the pancreas and the liver help the food break down system

They turn the chyme into a soup that can be absorbed into your bloodstream

It is absorbed by villi

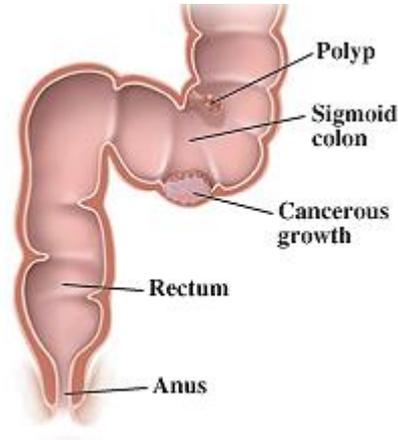
# THE LARGE INTESTINE / COLON

- Is about 5 feet and 2.5 inches long, it is the final section of the digestive system
- Water is absorbed in the large intestine
- Whatever has not been digested yet is combined with bacteria and other waste is called stool and moves to the rectum

# RECTUM

Located in the end of the large intestine

When enough solid waste is built up, it goes to the anus when you go number two. :(



# THE ANUS

- The solid waste comes out of the anus

# GAMES!

<https://www.brainpop.com/games/buildabodydigestivesystem/>

# BRAINPOP

<https://www.brainpop.com/health/body systems/digestivesystem/>

# QUIZ!

1. QUIZ TIME!!!

2. We are now in quiz mode (NO TALKING)

3. When you are finished bring it up to the front

4. Find something productive

5. Thank you!!!!!!!!!!!!!!!!!!!!

*Thank ya!*

