



Digestive System
with the Amoeba Sisters

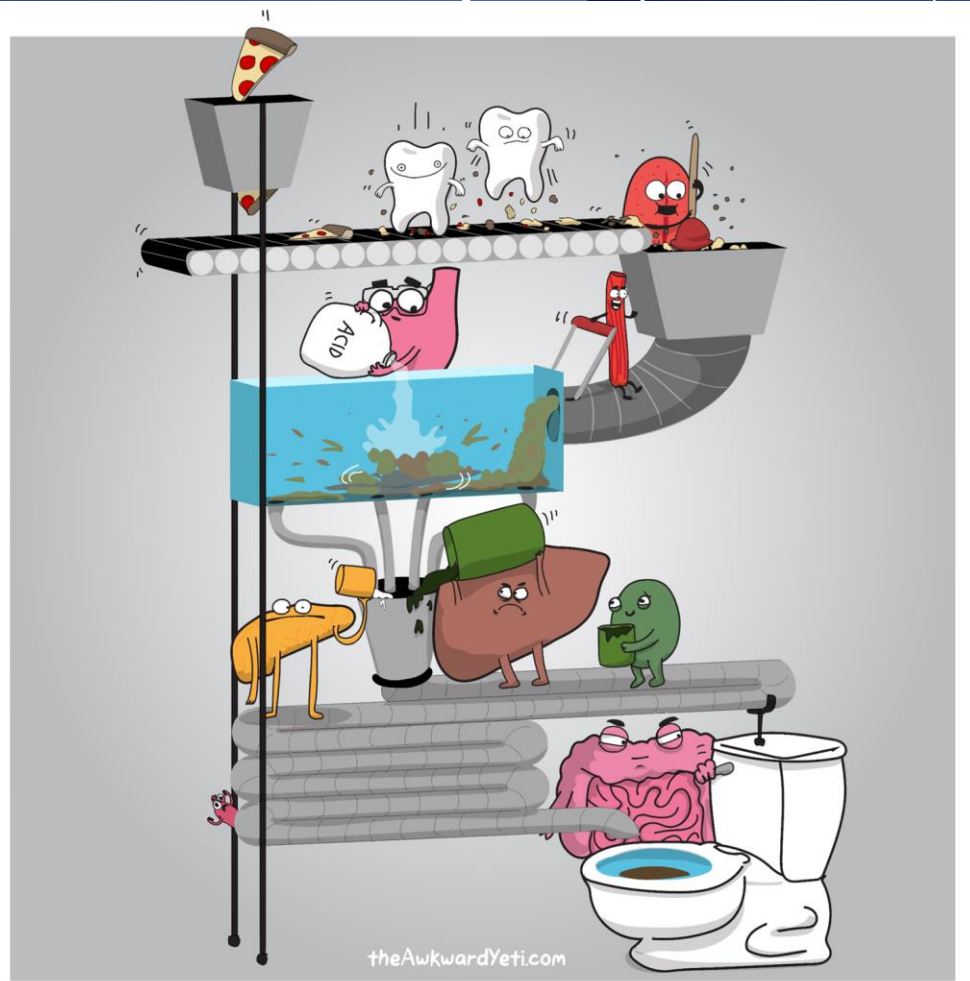
Human Body Systems

System	Structure (organs or parts)	Function (what each organ or part do)
Digestive		
Excretory		
Circulatory		
Integumentary		
Skeletal		
Nervous		
Respiratory		
Musculary		

What Miss Johnson's Notes Say

Digestive System	Mouth	Does both chemical and mechanical digestion
	Esophagus	Moves the food to the stomach through peristalsis
	Stomach	Enzymes and hydrochloric acid break down food
	Small intestine	Nutrient absorption happens here
	Liver	Produces bile (which breaks down fat)
	Gallbladder	Stores and releases bile
	Pancreas	Produces trypsin (which breaks down proteins) and insulin
	Large intestine	Water is absorbed and waste is compacted
	Rectum	Waste is collected until it exits the anus

Or
another
way...



Schedule

- Complete the row for the digestive system in your human body systems chart
- Explore more about the digestive system with the post in Google Classroom
- Check out pages 136 – 145 in your human body textbook if you want to learn more
- Watch the BrainPOP video called The Digestive System

Explore more

- Information about the digestive system: <https://kidshealth.org/en/kids/digestive-system.html>
- Interactive information and games: <https://junior.edumedia-sciences.com/en/node/117-the-digestive-system>
- Digestive system labeling game: <https://www.turtlediary.com/game/digestive-system-labeling.html>
- Phet simulation for eating and exercise: <https://phet.colorado.edu/sims/cheerj/eating-and-exercise/latest/eating-and-exercise.html?simulation=eating-and-exercise>
- Lab using aspirin to show digestion: https://www.teachengineering.org/lessons/view/cub_biomed_lesson05, a lab to show sugar's effect on teeth: <https://feelslikehomeblog.com/what-do-sugary-drinks-do-to-your-teeth-kids-science-experiment/>, and how the gut is connected to the brain: <https://news.las.iastate.edu/2017/05/24/a-gut-feeling-how-understanding-the-nerves-in-your-gut-could-also-provide-insights-into-the-brain/>

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

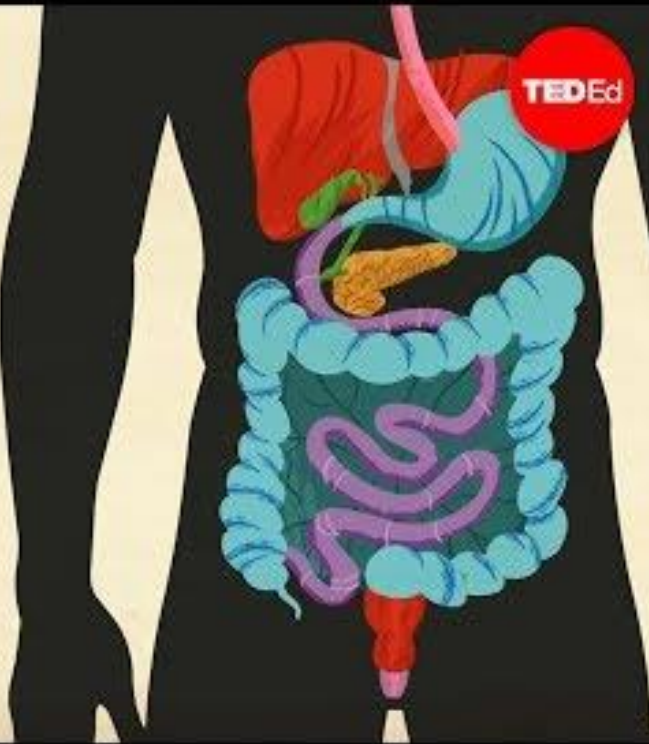
<https://www.youtube.com/watch?v=VwrsL-ICZYo>

<https://www.youtube.com/watch?v=1UvuBYUbFk0>



**The digestive
system is bigger
than you think...**

HOW THE DIGESTIVE SYSTEM WORKS





Digestive System



Digestive System

Mouth

Starts the process with both types of digestion



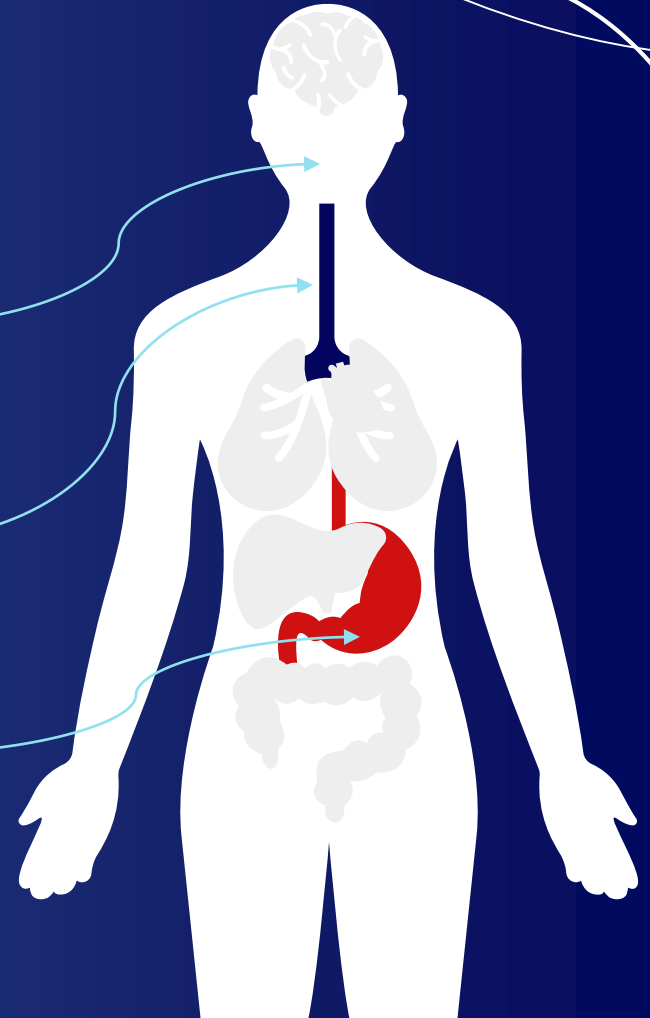
Esophagus

Moves food to stomach by peristalsis



Stomach

Chemicals break down the food



Digestive System

Small Intestine

Absorbs nutrients with the villi



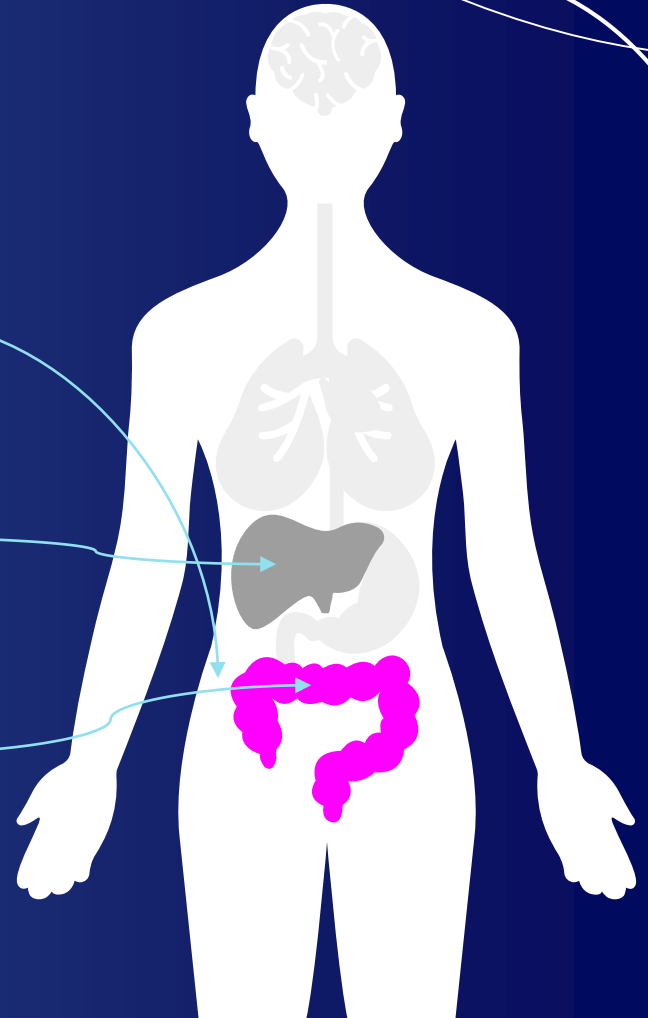
Liver

Produces bile and filters the blood

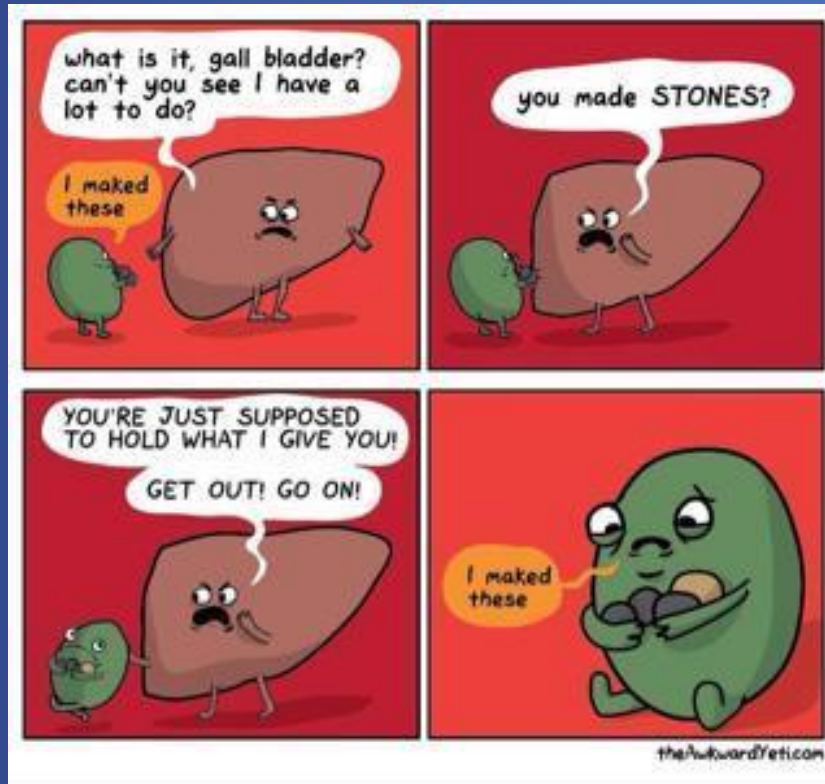


Large Intestine

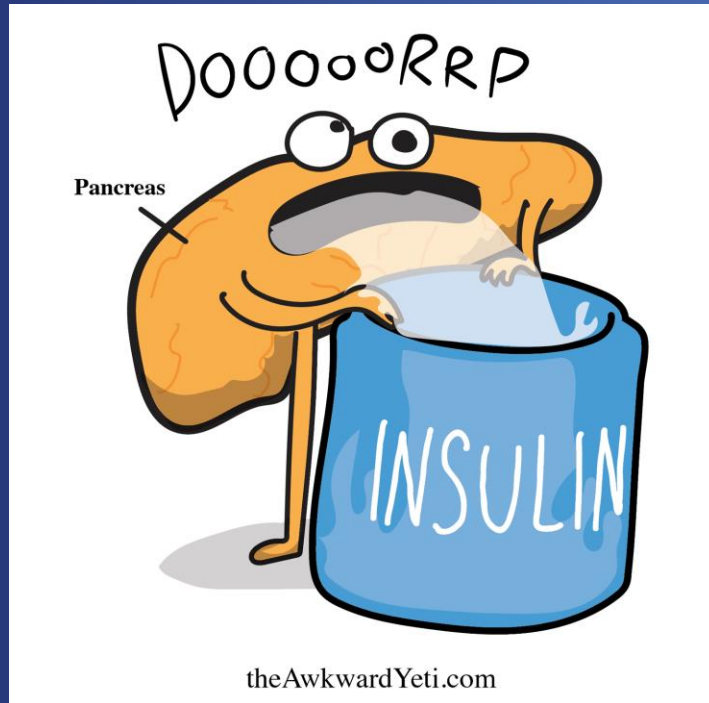
Absorbs the water and compacts the waste

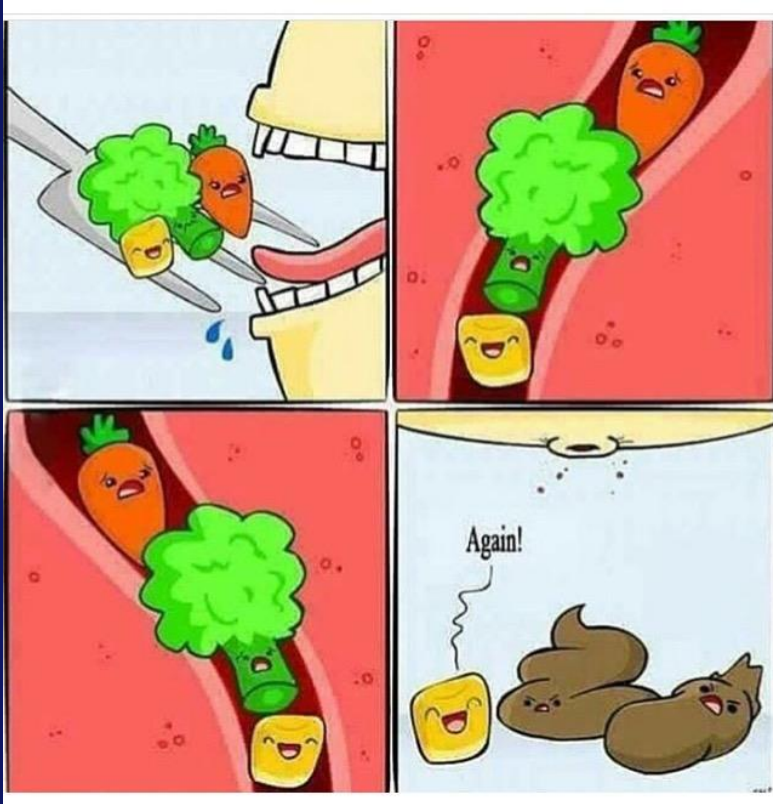


Don't Forget About the Gallbladder!

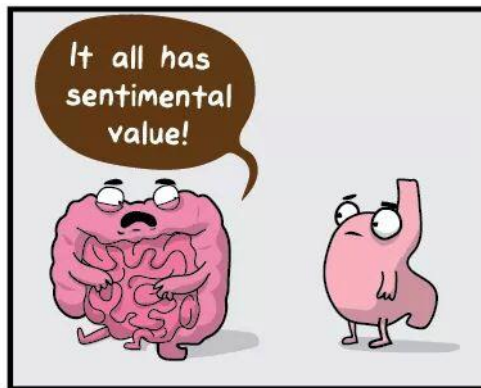
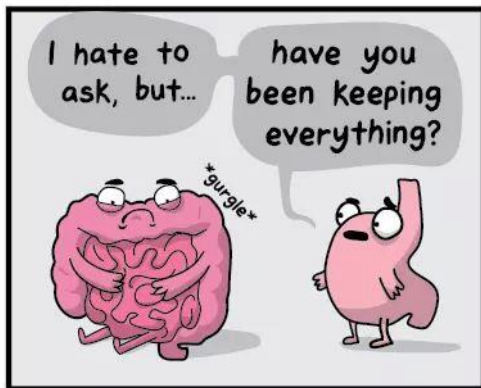


Or the Pancreas!

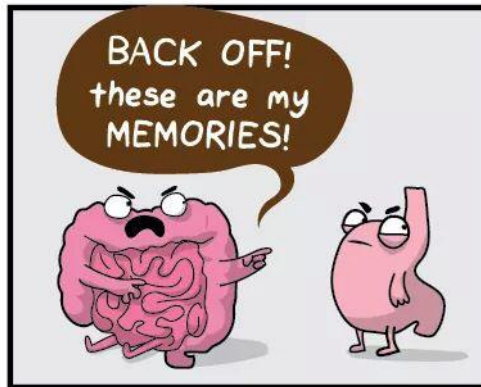
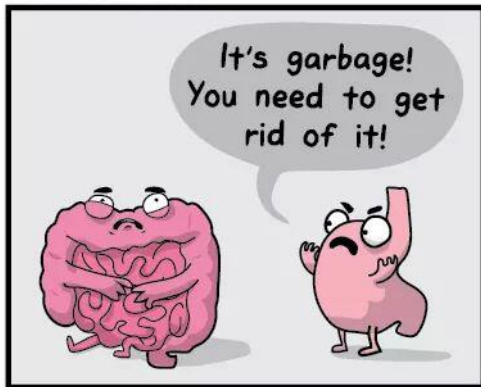




Or even the
Rectum!

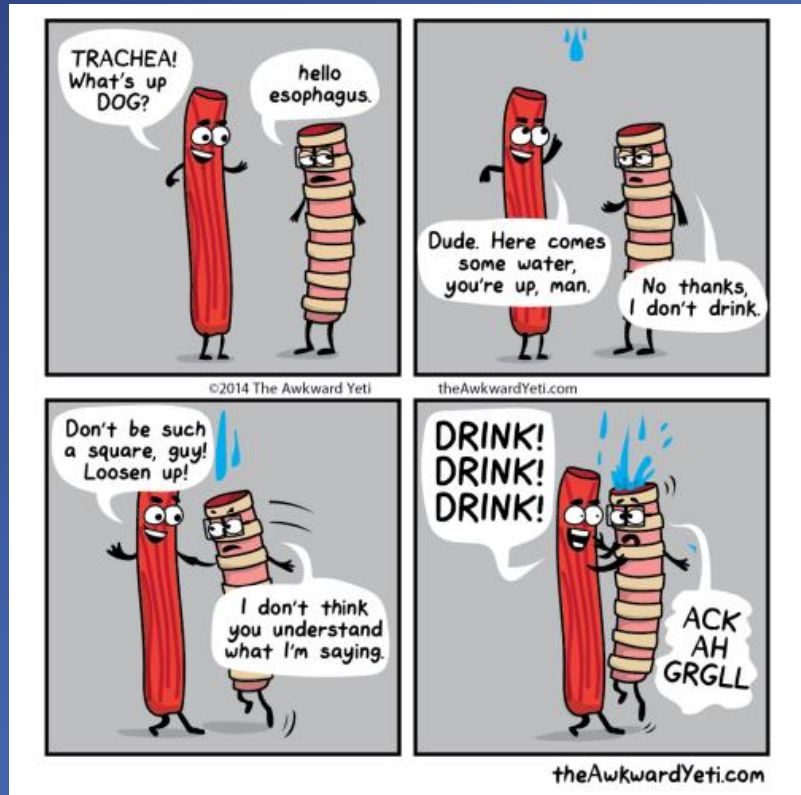


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The epiglottis is super important!



The background is a solid dark blue color. It is decorated with several white, flowing, abstract lines and shapes that create a sense of movement and depth. These elements include thin, curved lines and larger, semi-transparent, overlapping shapes that resemble soft-edged circles or petals. The overall aesthetic is clean, modern, and professional.

**How did we
get there?**

Types of Digestion



1

Chemical

Use of enzymes, bile, and acids to break down the food into useful nutrients

2

Mechanical

Physical process of breaking down the food into smaller pieces so it can be absorbed

Biology

DIGESTION





Let's try it!

Go grab some food and a glass of water.
I shall wait here for you!

Even more fun!

- In 2020, a new organ was found in the human body!
- The five second rule is so not a rule!
- Color of your poop might tell you some things!
- Nutrient facts are really important to understand!
- You can eat upside down!

Done early

Done early? Check out more about the excretory system by researching into kidney stones and how they form and then listen to a podcast about how much water you actually need (<https://www.npr.org/2022/09/20/1124133408/water-water-everywhere-but-how-much-do-you-really-need>).