LO: to identify the basic parts of the digestive system and describe their purpose.

Week 3

Week beginning 18-01-2021

Q:What does digestion mean?

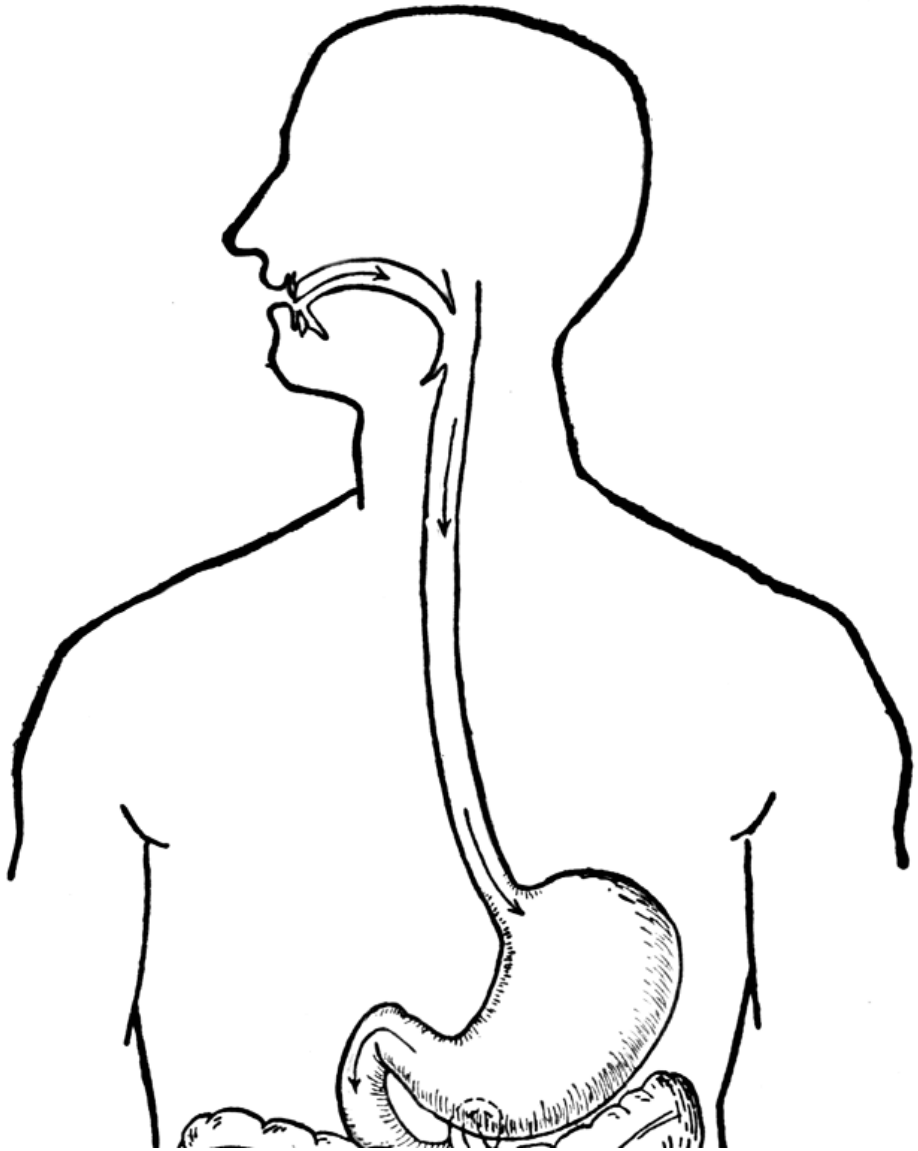
The act of softening & changing food so that the body can absorb it for energy & growth.

Task:

Swallow and trace down your throat and think where your stomach is.

Fascinating fact:

It takes 10 seconds for food to reach your stomach after being swallowed.



## What is the digestive system? >

Discover how the food gets into the body, through the digestive system.



## What happens in your stomach? >

Find out about the role that the stomach plays in the digestive system.



## What happens in your intestines? >

Find out about the role of the small and large intestines in the digestive system.

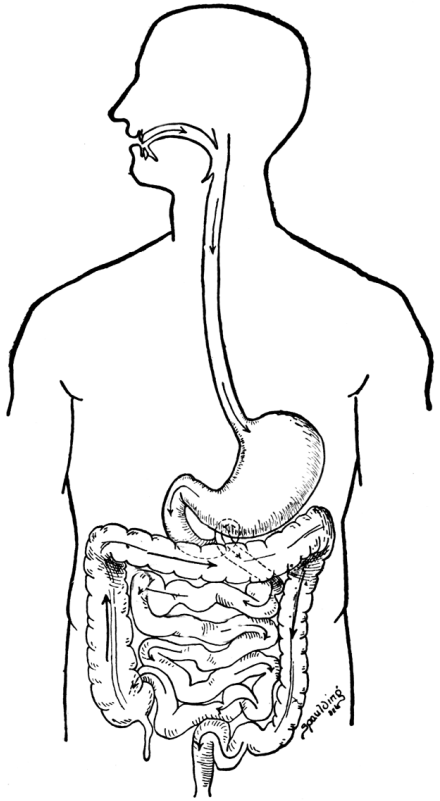


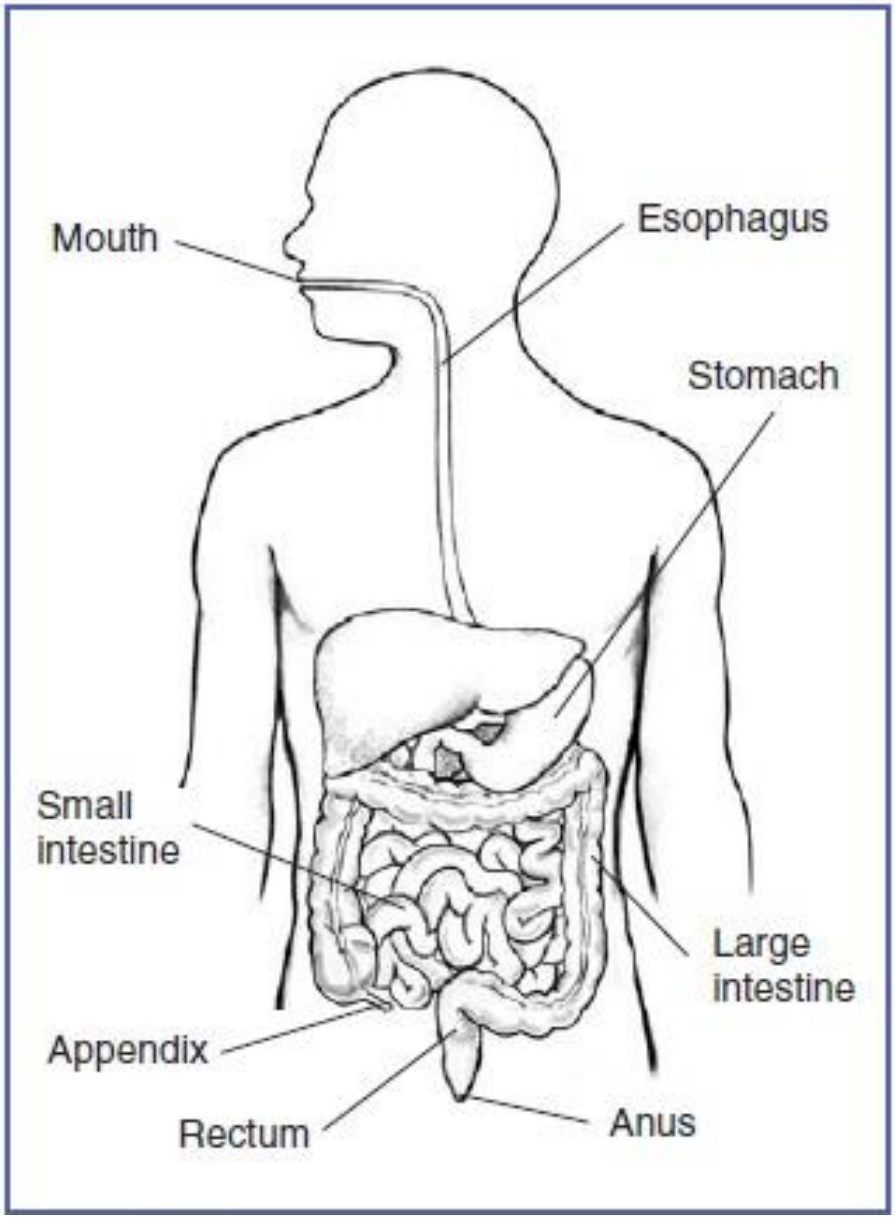
What other parts of your digestive system can you name & locate in your body? [Digestive system - KS2 Science - BBC Bitesize]

Watch these short clips on BBC bitesize

# Can you label the diagram?

Mouth
oesophagus
stomach,
duodenum
ileum (small intestine)
colon (large intestine)
rectum.




Mouth
Esophagus
Stomach
Small intestine
Large intestine
Appendix
Rectum
Anus

# Finally:
# Here's a fun experiment you might want to try.

## You will need:




Crackers

A zip lock bag

Water

Orange juice

Old tights

Kitchen roll

a plastic tray

Step 1 [**mouth**]: put a cracker into your zip-lock bag. Start crushing it up to represent the action of your **teeth**.
What does our mouth produce to make food easier to swallow? **Saliva**: softens the food and starts breaking it down (add water to the bag). The food then travels down the **oesophagus**.

Step 2 [**stomach**]: What does the stomach have that helps break down food? **Acid and digestive juices** break down the food (add orange juice). Continue gently squeezing the bag to represent the stomach churning the food to break it down. This is completed in the **duodenum**.

Step 3 [**ileum** – small intestine]: proteins, fats and vitamins are absorbed from the food. The walls of the ileum are lined with tiny finger like **villi** expanding the surface area so it can absorb more.

Step 4 [**colon** – large intestine]: absorbs the water from the remaining waste to be used by the body before it is excreted through the **anus**. Pour your stomach contents into a pair of tights, lay to rest over kitchen roll. The liquid will pass through the tights and be absorbed by the kitchen roll, leaving only the **waste**.