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The National
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The digestive system

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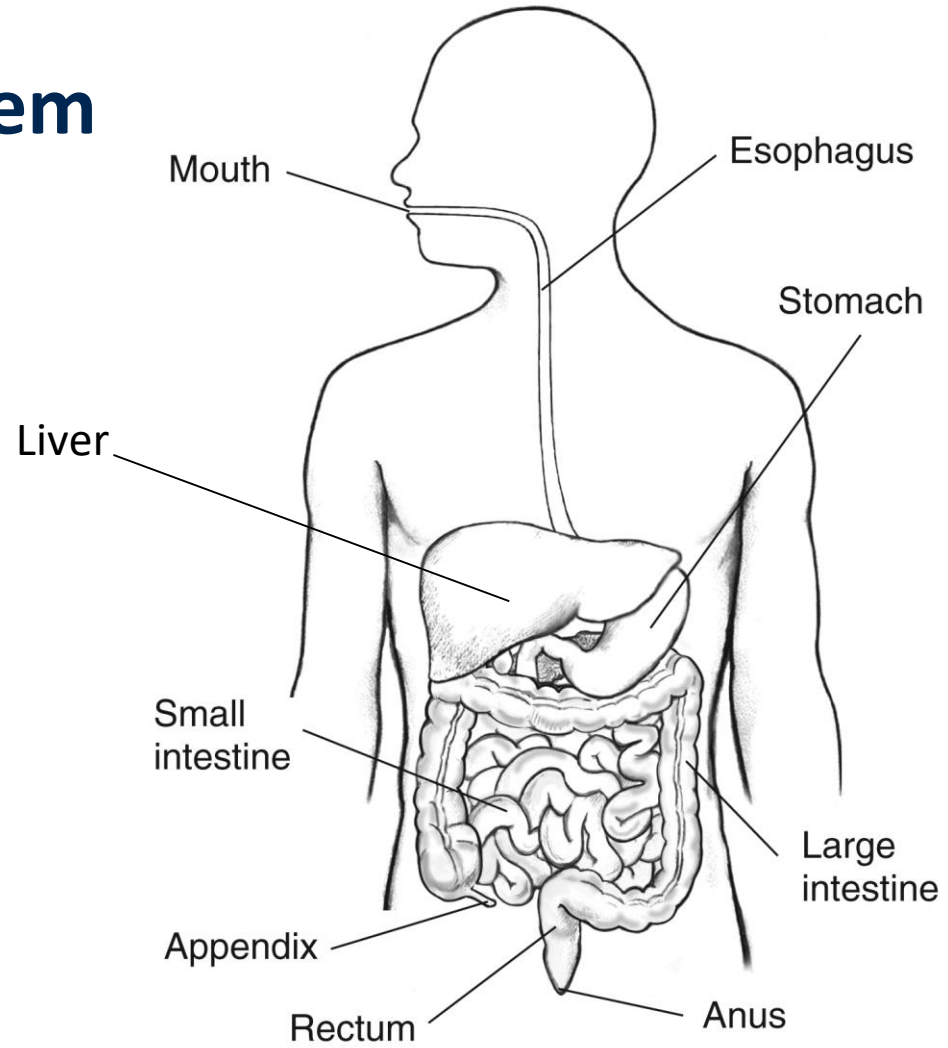
Digestion:

Digestion: Is the process of breaking down the food into smaller molecules in order to use the chemical energy of food.

Digestion happens in the digestive system, which is made up of many organs.

It takes up to a day for food to pass through a healthy digestive system depending on the type of food you have eaten.

The digestive system



Mouth:

- Digestion begins in your mouth.

Your teeth break down the food into smaller pieces. This is called **physical digestion**.

Physical digestion is important because it makes food easier to swallow and easier for chemicals to digest the food.

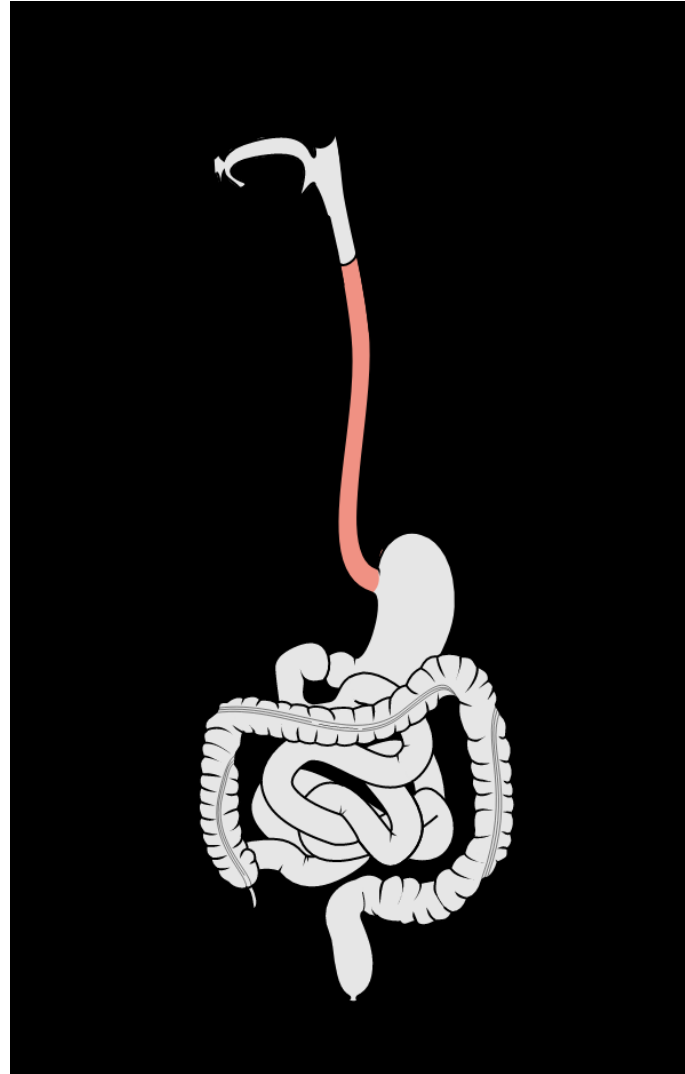
Your tongue mixes food with saliva, which partially digests the food.

Enzymes in the saliva starts to digest food (such as carbohydrates) this is called **chemical digestion**.

*The chemicals that break down large food molecules into smaller ones are called enzymes.

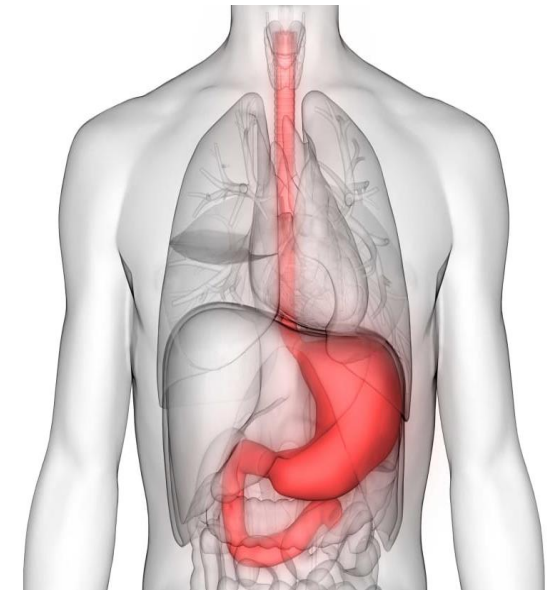
Esophagus

- Is a **muscular** tube that moves food from the mouth to the stomach



Stomach

A muscular organ that produces digestive juice and mixes it with the Food, the stomach squeezes and churns to turn the food into thick soupy liquid.

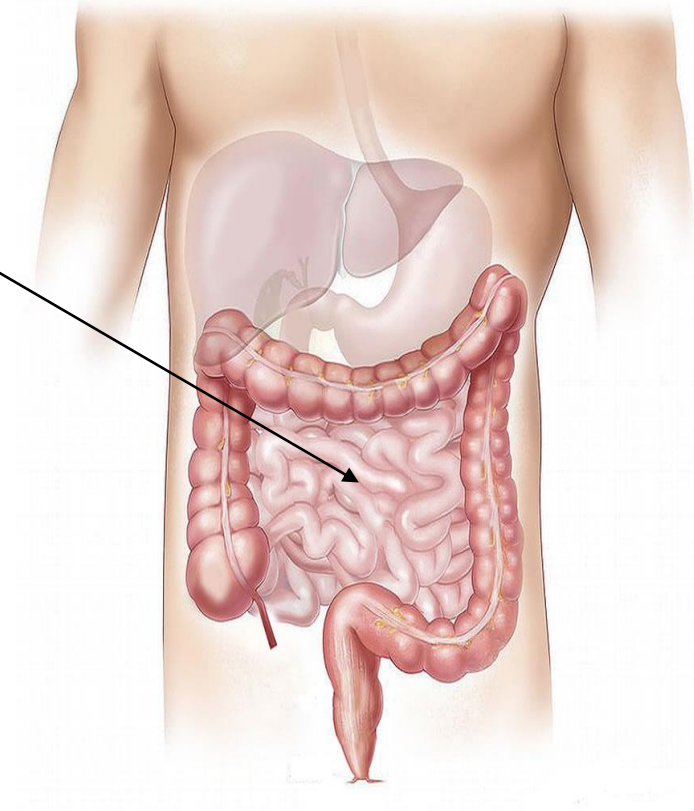


The Small intestine:

Is a long muscular tube that:

1. **Completely digests the food** and turns it into tiny nutrients by different digestive juices, with the help of liver and pancreas.

2. The **walls of the small intestines absorb** nutrients into the blood, then the blood transports it to all parts of the body.





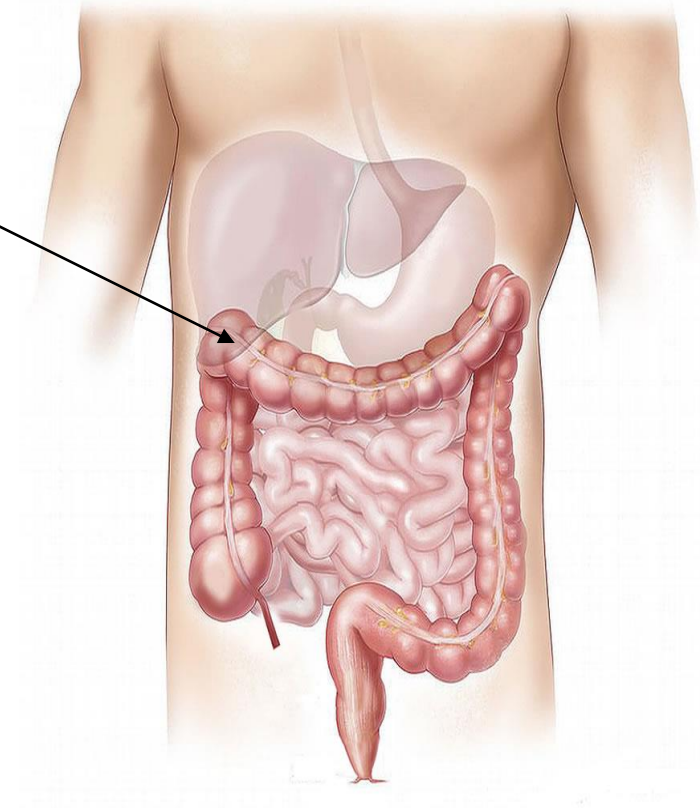
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The large intestine:

-**Absorbs** water and some minerals from the undigested food.

It stores the undigested food until it is passes out of the body.



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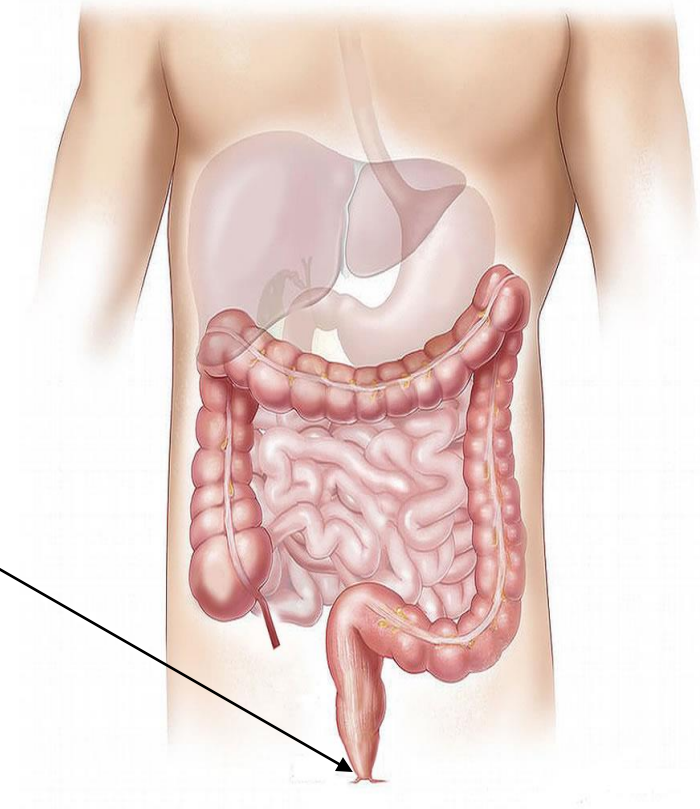


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Anus:

-The opening at the end of the large intestines where the undigested food passes out of the body as **feces**.



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Thank you