

# The Digestive System

**Magic School Bus- Digestive System**



**Brainpop-Digestive System**



## **FUNCTIONS OF THE DIGESTIVE SYSTEM:**

- 1. BREAK UP FOOD INTO SMALLER PIECES**
- 2. ABSORBING NUTRIENTS INTO THE BLOOD**
- 3. EXCRETING SOLID WASTE PRODUCTS (POOP)**

## Digestive Builder



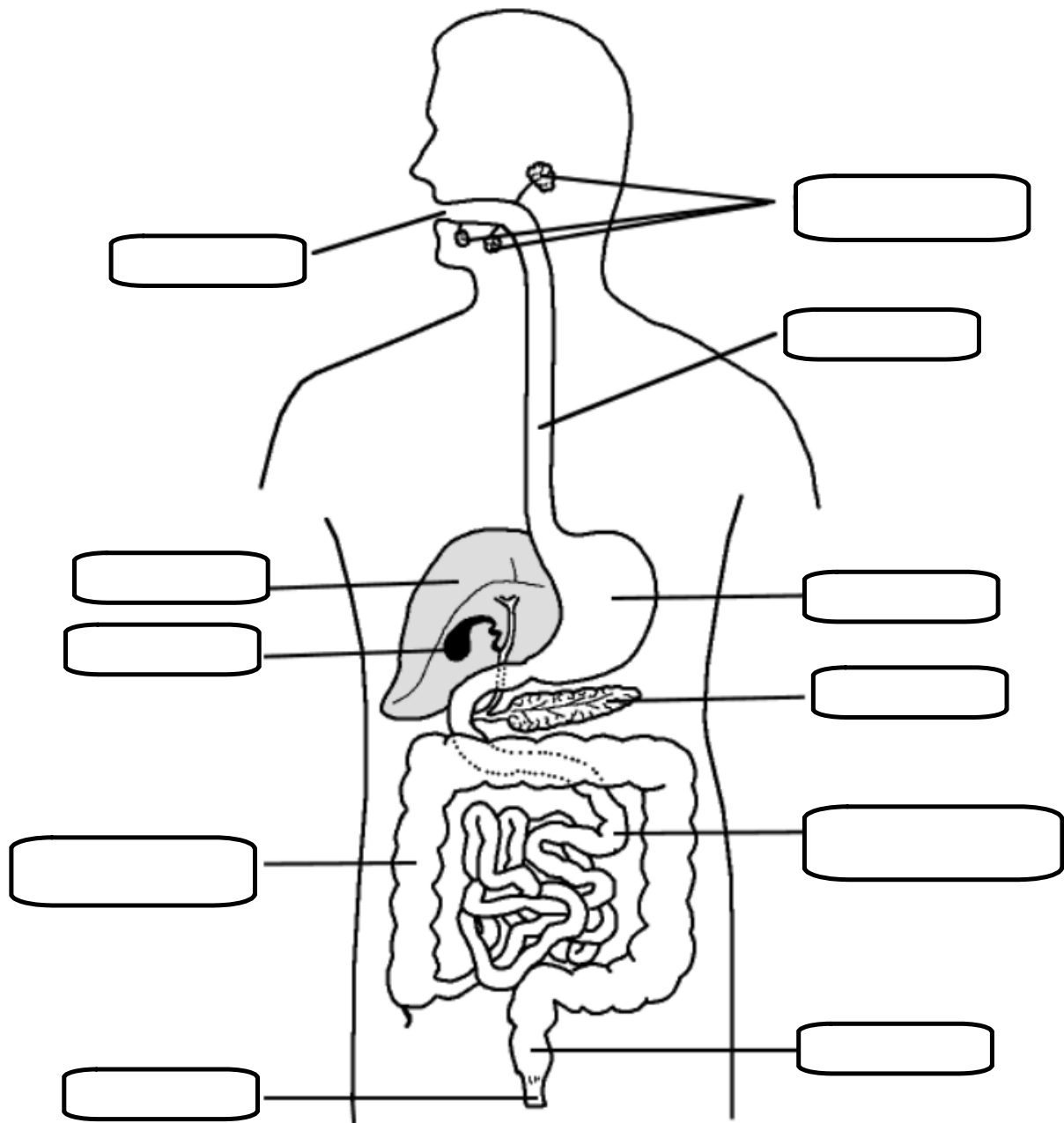
Mechanical Digestion: The physical state of food is changed.

- a. Mouth- chewing.
- b. Stomach- churning.

Chemical Digestion: The chemical state of food is changed.

- a. Mouth- saliva.
- b. Stomach- Hydrochloric acid, bile.

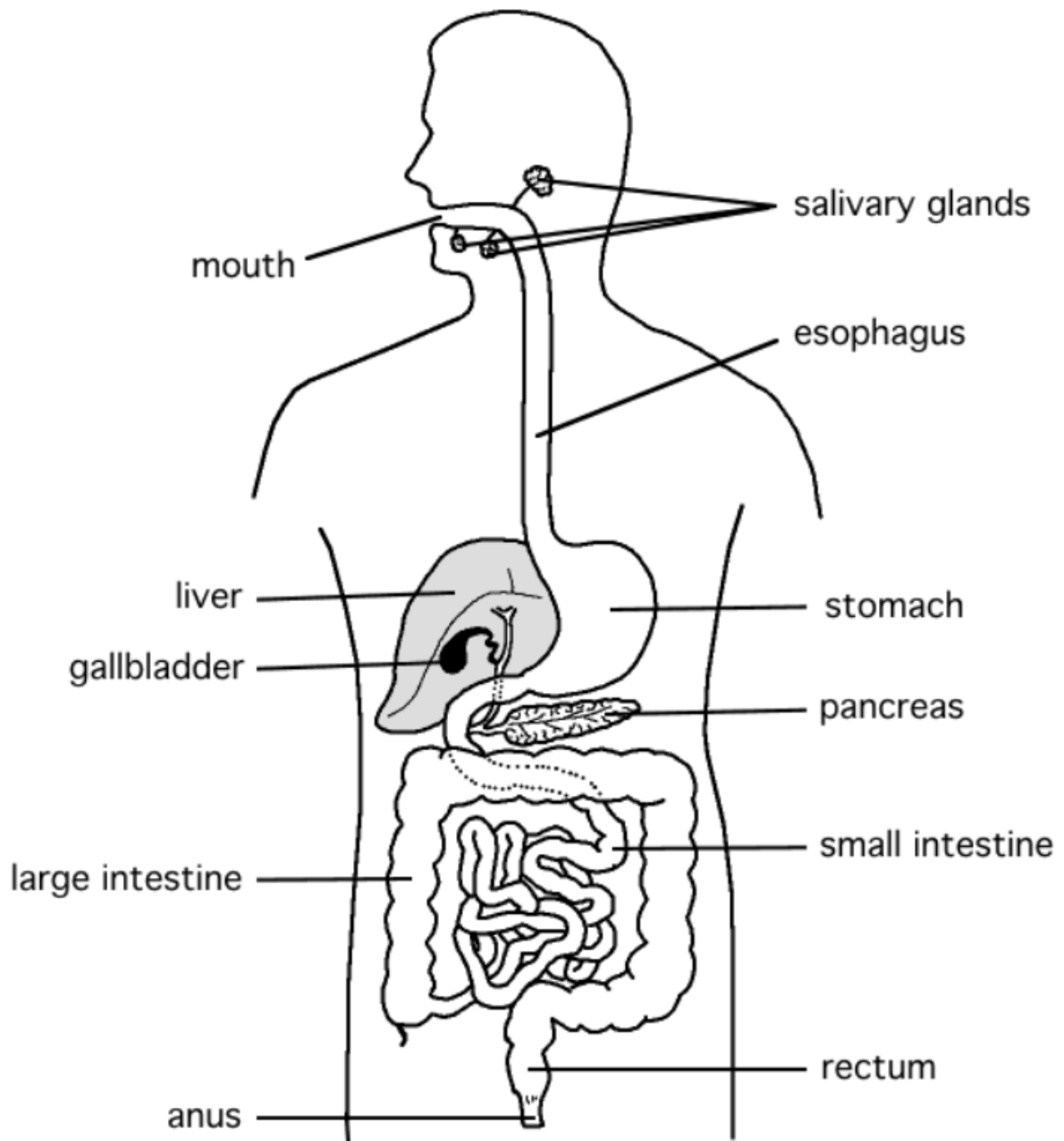
Alimentary Canal: The tube that begins at the mouth and ends at the rectum. It consists of the mouth, esophagus, stomach, small intestine, large intestine, and rectum.



# Digestive System

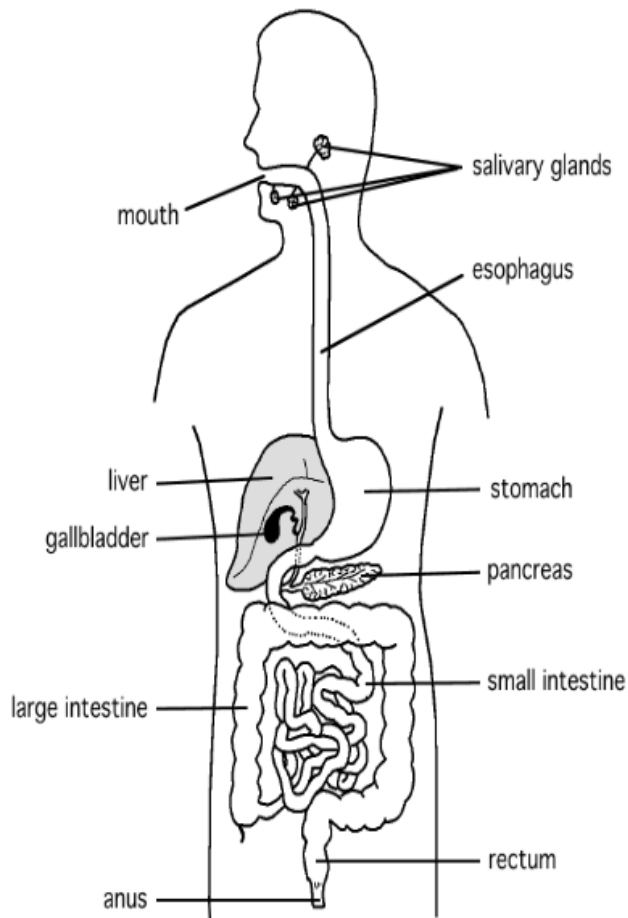
Label The Digestive System





# Digestive System

## Kids Health- Digestive System



## Digestive System

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Mouth: Digestion begins here. Mechanical and  occurs here.

Esophagus: A  connects the mouth to the stomach.

Peristalsis:  that "push" the food down the esophagus.

Stomach  that holds food. Mechanical and chemical digestion occurs here.

Liver: . Bile helps to break down food. Largest organ in the body.

Gall bladder:  needed.

Small Intestines:  absorbed into the bloodstream.

Large Intestines: Water is absorbed in

Pancreas: Produces insulin which helps to break  body.

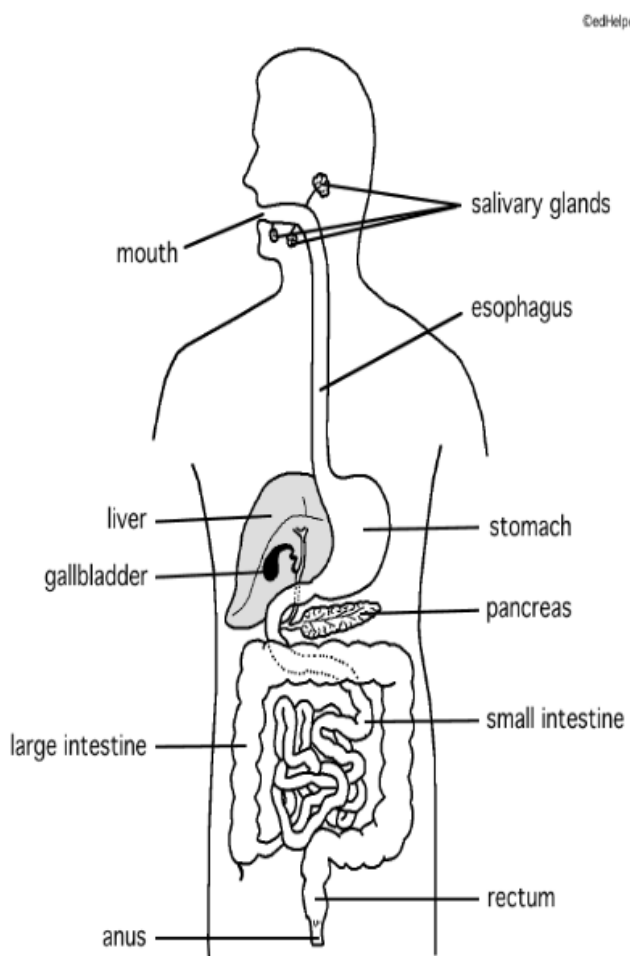
Epiglottis  the trachea when you swallow.

Salivary glands: produce saliva. They also secrete amylase, an enzyme that .

Rectum: final straight portion of the  where waste is stored.

Anus: Where waste

## Kids Health- Digestive System



## Digestive System

Mouth: Digestion begins here. Mechanical and chemical digestion occurs here.

Esophagus: A muscular tube that connects the mouth to the stomach.

Peristalsis: muscle contractions that "push" the food down the esophagus.

Stomach: Hollow organ that holds food. Mechanical and chemical digestion occurs here.

Liver: Bile is created here. Bile helps to break down food. Largest organ in the body.

Gall bladder: stores bile until it is needed.

Small Intestines: Nutrients are absorbed in the bloodstream.

Large Intestines: Water is absorbed in the bloodstream.

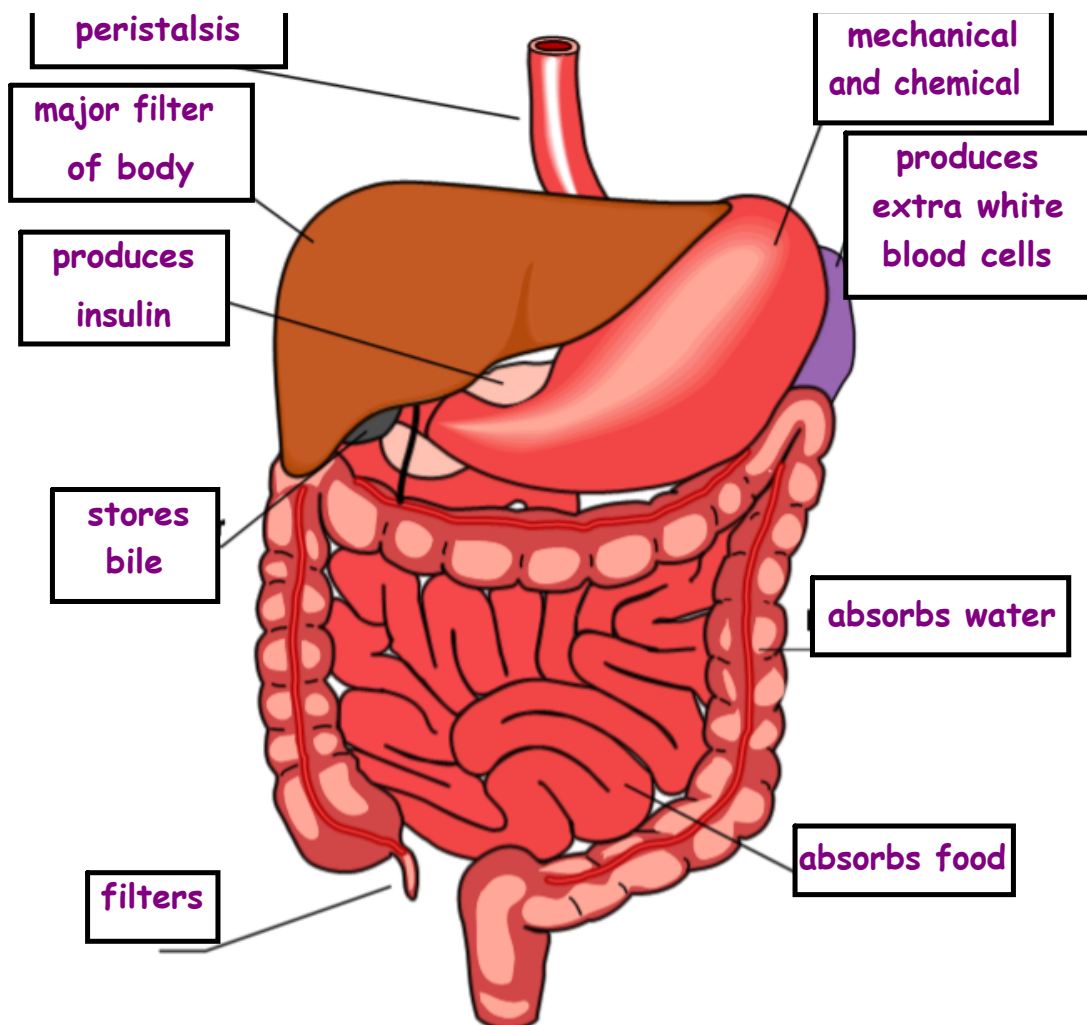
Pancreas: Produces insulin which helps to break down sugar in the body.

Epiglottis: a flap that covers the trachea when you swallow.

Salivary glands: produce saliva. They also secrete amylase, an enzyme that breaks down starch.

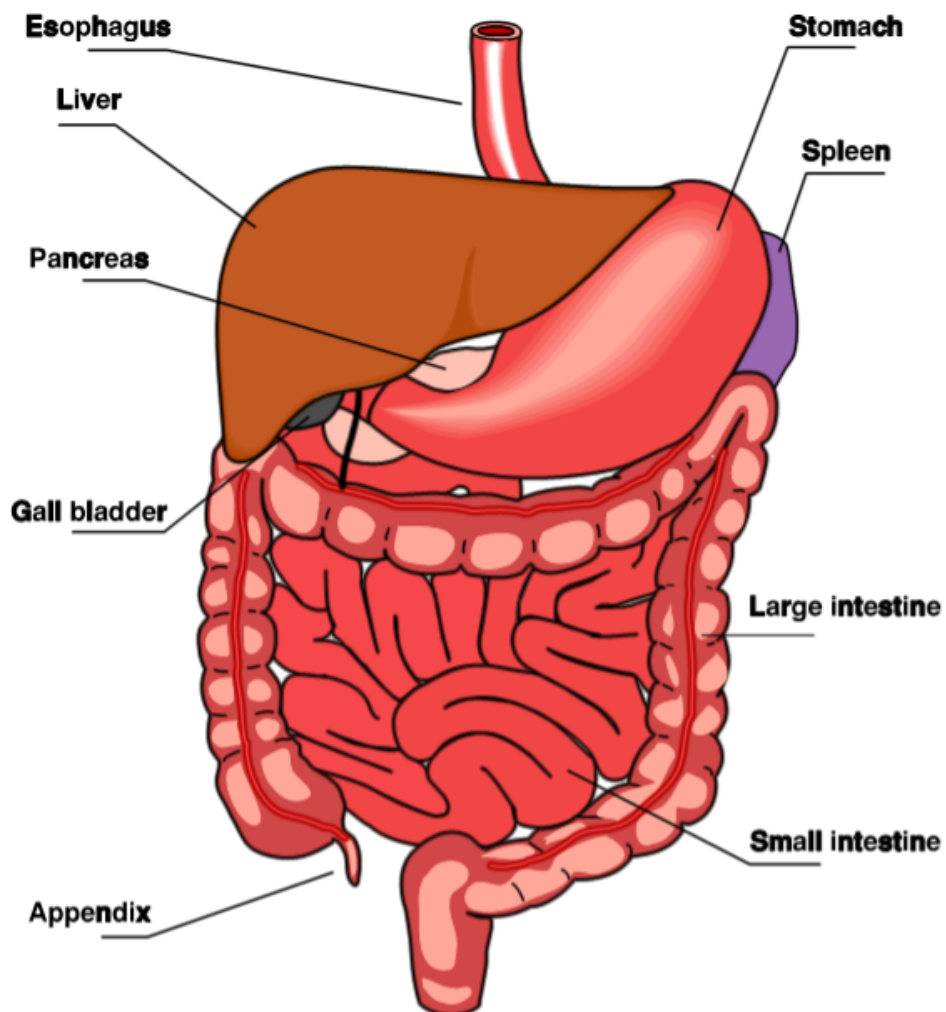
Rectum: final straight portion of the large intestine where waste is stored.

Anus: Where waste leaves the body.



Name the organs in the Digestive System





## The Digestive System Interactive Parts and Quiz





**Bill Nye On Digestion- Part 1**



**Bill Nye On Digestion- Part 2**



**Bill Nye On Digestion- Part 3**



**Feed the Digestive System**



## **Organize Your Organs Game**



Belches and Farts



Why does the stomach gurgle



Vomit



Poop



## **Tour of The Digestive Tract**

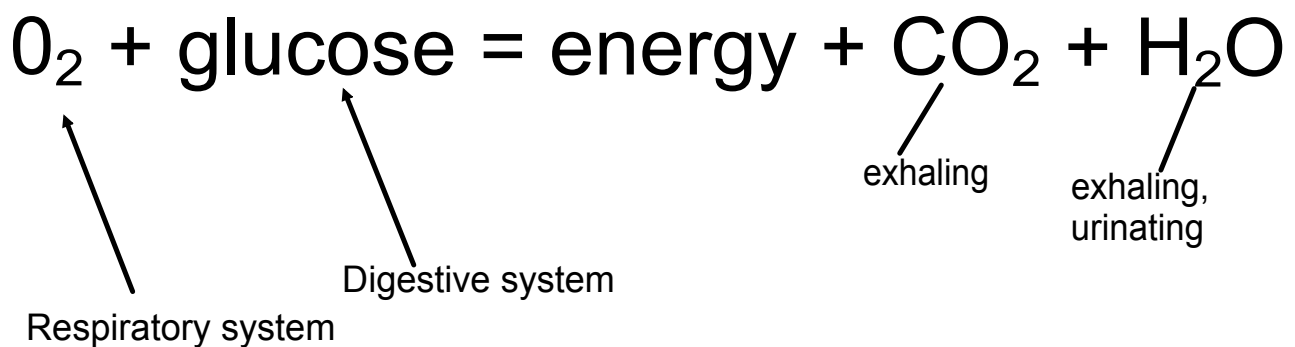


digestion song clip



**What happens to your food?  
What happens to your food?  
What you need stays in. What you don't goes out.  
That's what digestion's all about.  
The food starts in your mouth.  
The food starts in your mouth.  
Your teeth break it up with saliva too,  
And before you can eat something new,  
It's in your esophagus tube.  
It's in your esophagus tube.  
Then in your stomach it breaks up again  
The food's so small; what happens then?  
To the intestines it rolls.  
To the intestines it rolls.  
For some food the story's done  
But vitamins and mineral go on a blood run.  
Your blood takes what it needs.  
Your blood takes what it needs  
To your bones, skin, brain and heart  
To make your body strong and smart.  
What happens to your food?  
What happens to your food?  
What you need stays in. What you don't goes out.  
That's what digestion's all about.**

## Respiration:



Respiration takes place in the cells. Respiration is the creation of energy by using glucose (sugar) and oxygen. When the energy is created you also get carbon dioxide and water. These are waste products and the body gets rid of them.

# Wanted Poster Assignment

<http://sciencespot.net/Pages/otrail.html>



# Respiration

Pull

What is it?

Pull

Where does it take place?

Pull

How does the respiratory system help?

Pull

How does the digestive system help?

Pull

How does the circulatory system help?

Pull

How does the oxygen get around the body?

Pull

How does oxygen get into the body?

Pull

Why does the body need oxygen?








Pull

How does the body get rid of the carbon dioxide?



## Attachments

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-  [Parts of the digestive system](#)
-  [Tour of the digestive tract](#)
-  [Belches and Farts](#)
-  [Why does the stomach gurgle](#)
-  [Vomit](#)
-  [Poop](#)
-  [Digestive System](#)