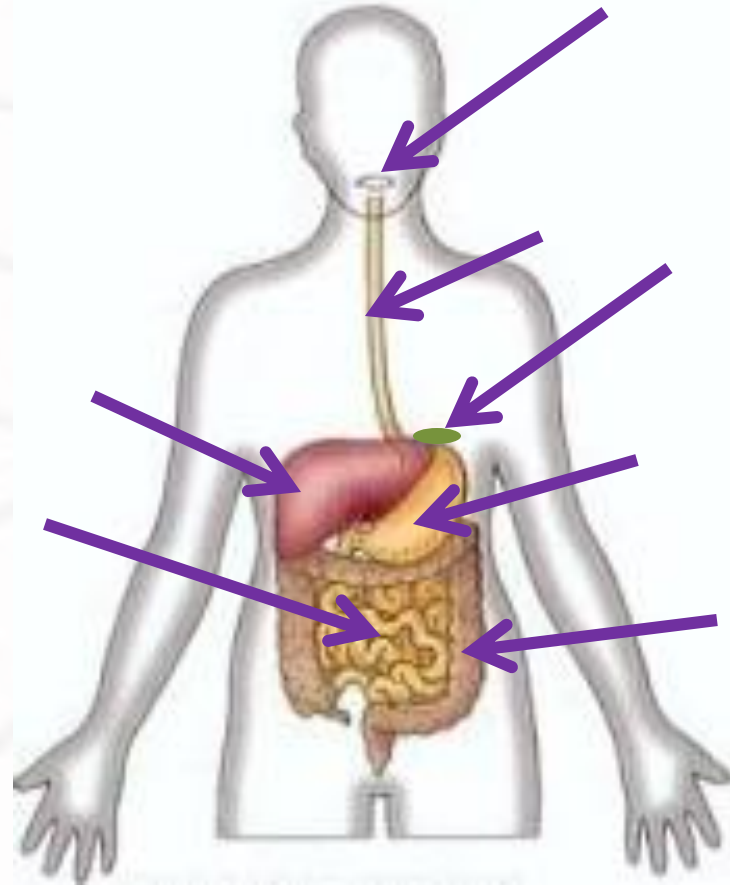
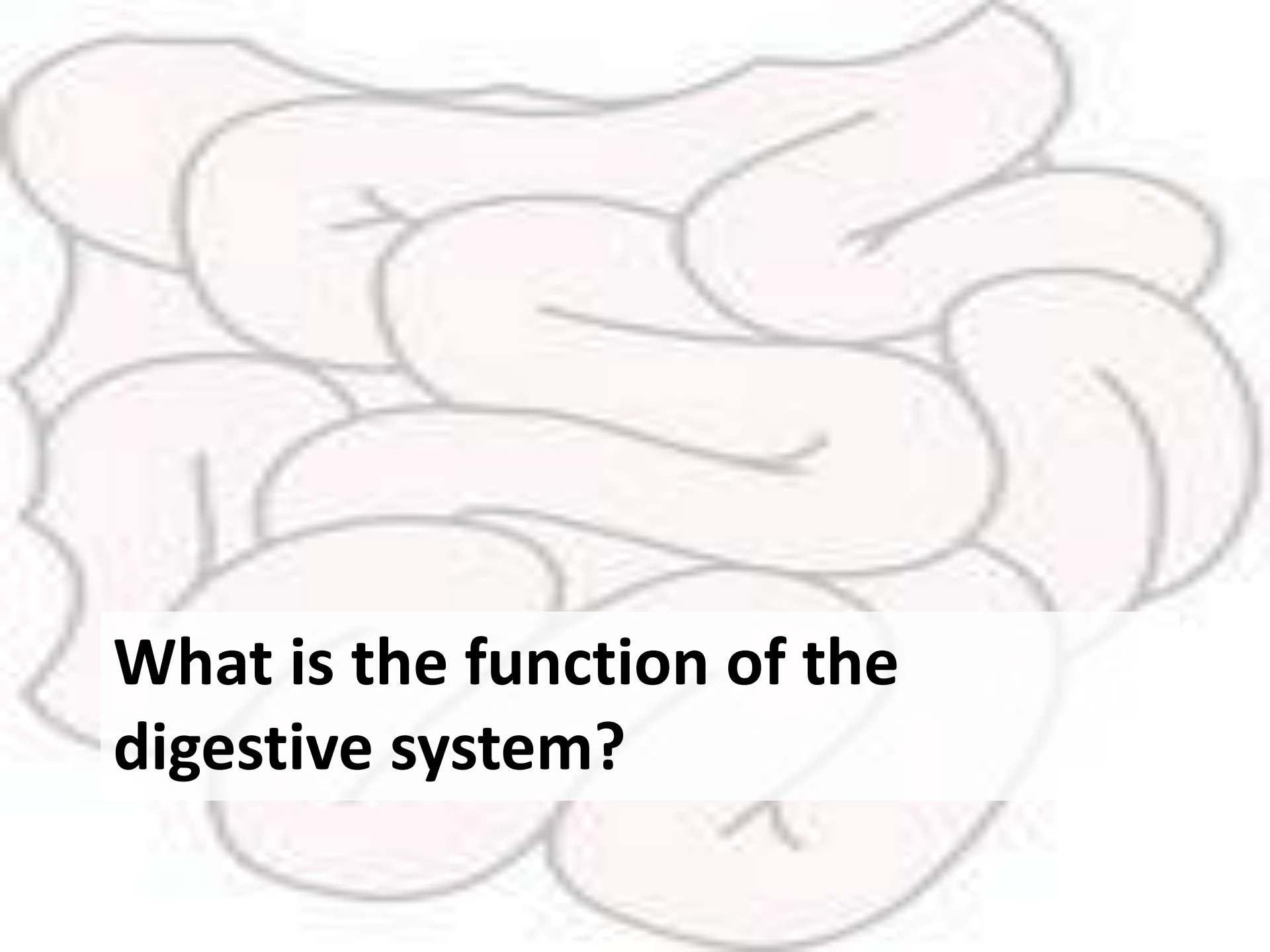


What is the digestive system?

Parts of the Digestive System

- Mouth
- Esophagus
- Stomach
- Small Intestine
- Large Intestine
- Pancreas
- Liver
- Gallbladder
- Rectum





What is the function of the digestive system?

- **Function:** moves and breaks down food into smaller, usable nutrients.
- **Nutrients:** needed materials to help the body work
 - Proteins
 - Carbohydrates
 - Fats
 - Water
 - Vitamins
 - Minerals





**What is the path food takes
through the digestive system?**

1. Mouth

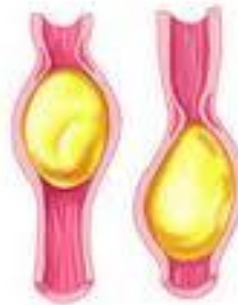
Teeth grind and spit breaks up food



(Salivary glands secrete 1-2 liters of spit a day)

2. Esophagus

Moves food to stomach through peristalsis



(Peristalsis- the muscular action of material moving through the digestive system by wave-like action of smooth muscles.)

3. Stomach

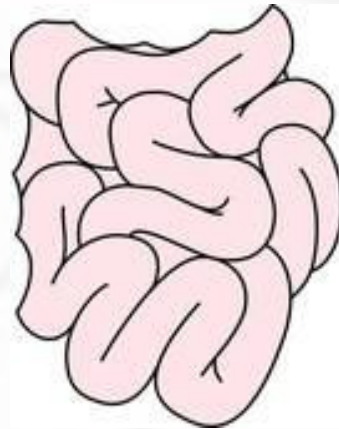
Chemicals break down the food



(The stomach is lined with a thick mucus so the stomach acid does not eat away at itself.)

4. Small Intestine

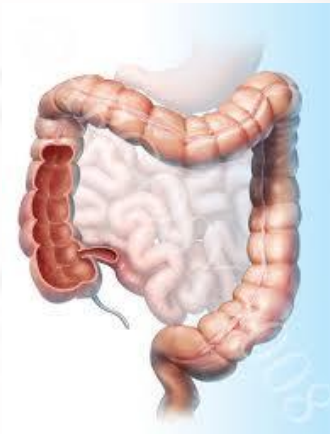
Absorbs nutrients with the villi



(Villi contain folds that absorb the nutrients by increasing the surface area.)

5. Large Intestine

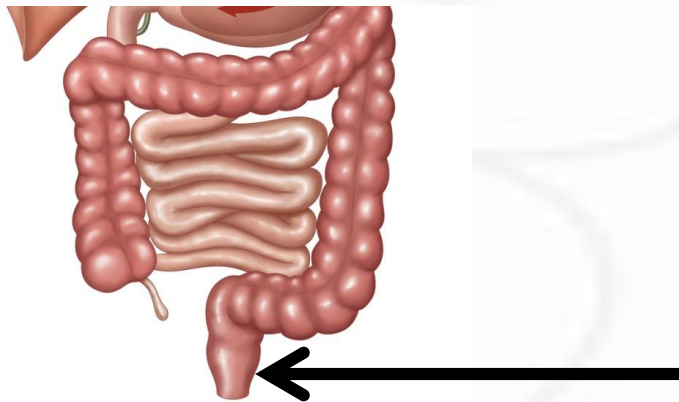
Absorbs the water (and some salt)



(Most of the solid material that remains is then compacted.)

6. Rectum

Stores feces until the body releases it



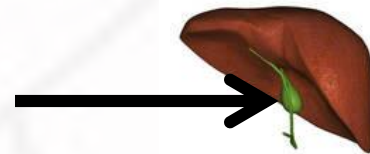
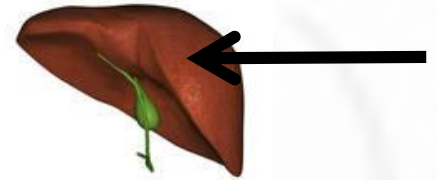
(Feces is a fancy word for poop.)



THE
END

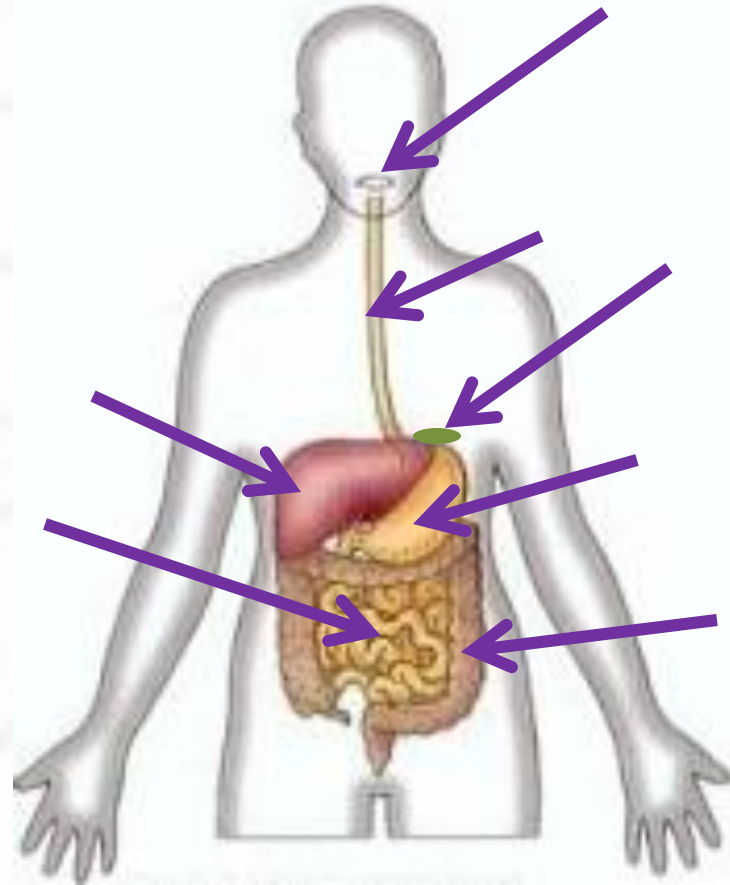
Other organs of the system:

- Liver: filters blood and produces bile
(Bile is a chemical that helps break down food)
- Pancreas: Produces insulin and glucagon
(Without these, your body would die of starvation)
- Gallbladder: Stores bile made by the liver and gives it to the small intestines
(Do we really need this organ?)



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[Brainpop: Digestive System Movie](#)