

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Period: \_\_\_\_\_ Do Now# 2.8 Homework# 2.8

**Aim: How do heterotrophs consume food?**

**Vocabulary: (8)**  
 1. heterotroph      3. esophagus      5. epiglottis      7. stomach  
 2. digest          4. peristalsis      6. pharynx      8. mucus

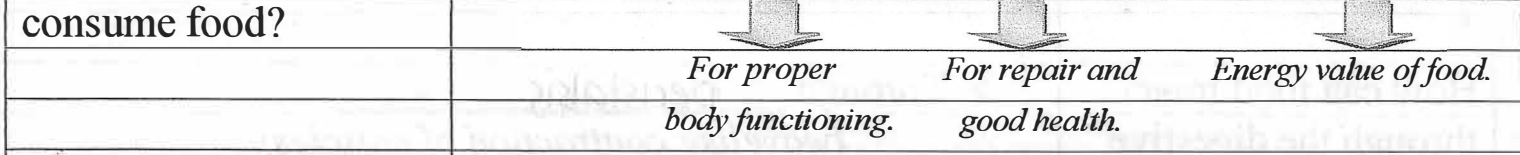
What is a heterotroph?      ➤ Organisms that cannot produce their own food.

Examples: animals, mushroom, protists

What is food?      ➤ Made of nutrients and roughage.

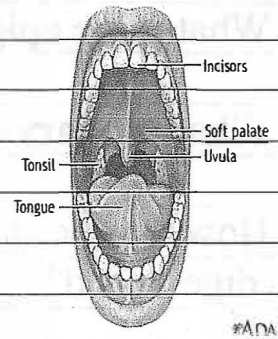


Why do organisms consume food?      ➤ For vitamins, minerals and calories.



Why do we need to digest food?      To break down complex molecules into simple usable molecules.

Examples: carbohydrates → glucose  
 protein → amino acids  
 lipids → fatty acids



What are the 2 types of digestion?  
 1. Mechanical digestion  
 2. Chemical digestion

How do humans digest food?      ➤ Digestion starts in the mouth and ends in the small intestine.

How does digestion occur in the mouth?  
 1. Teeth break down food mechanically into small pieces.

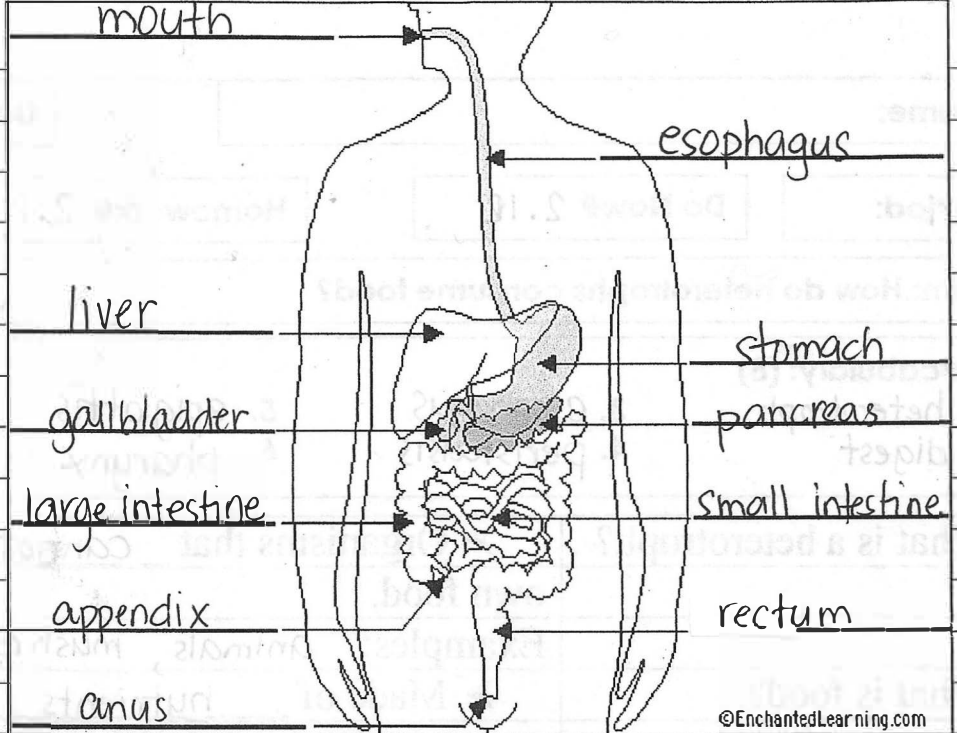
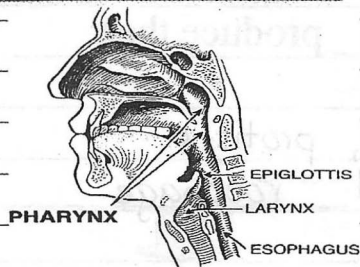
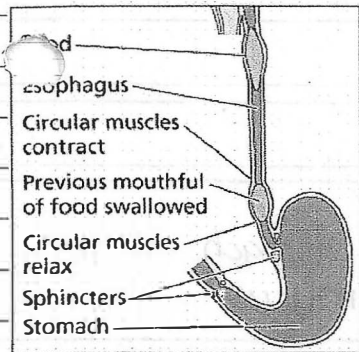
2. Salivary enzyme breaks down carbohydrates to maltose.

3. Both mechanical and chemical digestion occur in the mouth.

4. Carbohydrates is initially digested in the mouth.  
Starch

**Questions/Main Ideas:**

**Peristalsis**



What connects the mouth and the stomach?

➤ esophagus

How can food travel through the digestive system?

➤ Through peristalsis.  
*(wavelike contraction of muscles)*

What is the epiglottis?

A flap of tissue that prevents food and water from entering the air tube.

What is pharynx?

➤ Also known as throat.

How can the stomach digest food?

1. The **stomach** produces enzymes and acid to digest **proteins**.

2. Has mucus to protect itself from the acid.

**Summary: 2 points**

Digestion starts in the

Carbohydrates are initially digested in the

The stomach can initially digest

we need to digest food so that