

READING ACTIVITIES (Answer key)

After reading the text, copy and answer the following questions into your notebook:

2.3. Why is necessary that animals digest the food they take in?

It is because digestion includes all the processes which break down foods to obtain from them the essential substances for life (**nutrients**) and the transformations that these nutrients suffer to change into simpler substances able to be absorbed by the organism.

2.4. What is the difference between:

a. Excretion - Egestion

The difference between them is that **excretion** is the expulsion of waste substances produced by the metabolism and it is made by the excretory system, while **egestion** is the elimination of undigested and waste products from the digestive tube. Egestion is a type of excretion.

b. Mechanical digestion – Chemical digestion

The difference between them is that **mechanical digestion** includes chewing and crushing which break down food in smaller pieces, while **chemical digestion** involves chemical transformation of complex nutrients into simpler ones through the action of the **enzymes** present in the digestive juices.

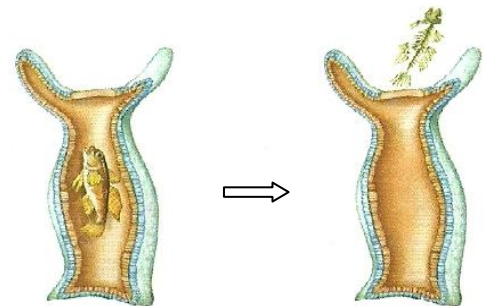
2.5. Pictures represent an anemone digesting a prey.

a. What type of digestion is it?

It is **external digestion**

b. Explain the process.

1. The anemone catches the prey and ingest it.
2. Cells that lined the gastrovascular cavity walls secrete enzymes over the prey.
3. These enzymes digeste the prey.
4. The undigested parts are expelled out of the gastrovascular cavity.



c. How is called this kind of digestive system? Why?

It is called **gastrovascular cavity**, because it has only one opening that acts both mouth and anus.