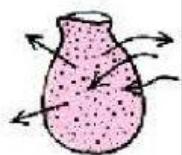


## **ANIMALS: VITAL FUNCTIONS**

### **NUTRITION**

1. Nutrition in animals is ..... (*autotrophic/heterotrophic*)
2. Nutrients are obtained by feeding and digestion.
3. Feeding consists of taking food.
4. Animals take food by:
  - Direct absorption: through the skin such as tapeworms.
  - ..... of the food present in the water such as sponges. (*filtration/ingestion*)
  - ..... through the mouth like mammals. (*filtration/ingestion*)
5. Digestion is the ..... of food. (*transformation/filtration*)
  - **Animals WITHOUT Digestive System:** The simplest ones filter the water and catch the nutrients. They are the sponges.
  - **Animals WITH Digestive System:** In these, digestion occurs in several stages:
    1. ..... digestion of the food to reduce it into small fragments. (*Mechanical/chemical*)
    2. ..... digestion to separate nutrients from food. (*Mechanical/chemical*)



### **TYPES OF DIGESTIVE SYSTEMS**

1. ..... cavity. They are sac-shaped structures with a single orifice. It occurs in cnidarians (corals). (*Gastrovascular/digestive tract*)
2. ..... is a long twisting tube that starts at the mouth and ends at the anus. It is made up of a series of muscles that coordinate the movement of food and other cells that produce enzymes and hormones to aid in the breakdown of food. (*Gastrovascular/digestive tract*)

