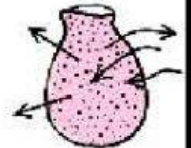


ANIMALS: VITAL FUNCTIONS

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*)

