

Nutrition in animals and plants

Plants produce their own food by a process called **photosynthesis**

Nutrition in plants

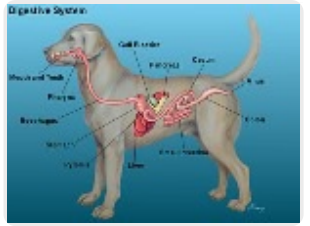


Nutrition in animals



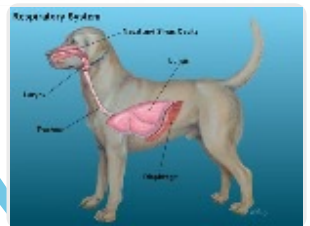
There are three systems involved in the nutrition process...

DIGESTIVE SYSTEM_ Process where animals obtain nutrients from food.



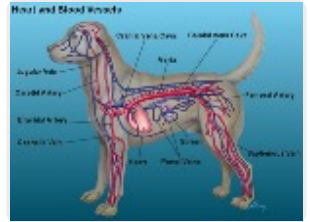
- According to what they eat they could be:
- carnivorous (they eat meat)
 - herbivorous(they eat plants)
 - omnivorous (they eat meat and plants)

RESPIRATORY SYSTEM_ Process where animals get oxygen from air and take it to the blood.



- Animals breath through their
- Lungs (mammals, adult amphibians, birds and reptiles)
 - Gills (fishes)
 - Skin (amphibians and worms)
 - Trachea (insects)

CIRCULATORY SYSTEM_ Process where the blood carries oxygen and nutrients (from food) throughout the body.



- They could have a...
- close circulatory system (most common in vertebrates)
 - open circulatory system (most common in invertebrates)

Through the **roots**, plants...

- Obtain nutrients (from the water)
- Obtain mineral salts (from the soil)



Through their **stem**...

- They transport the xylem sap from the roots towards the leaves



Through the **leaves**, plants...

- Breath
- Produce their own food (carbon dioxide + xylem sap)
- Obtain carbon dioxide from the air
- Obtain sunlight
- Lose their water to keep cool



- During the day, they produce more oxygen than the one they consume
- During the night , they consume more oxygen and release carbon dioxide to the air

