

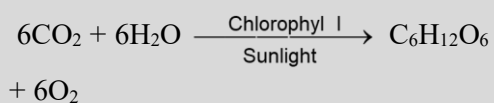
## MIND MAP

### NUTRITION

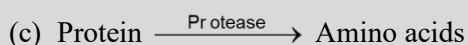
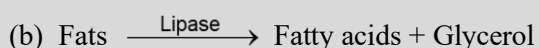
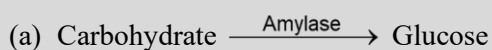
Autotrophic (e.g. Plants)

Heterotrophic (e.g. Animals)

- **Photosynthesis**



- **Digestion** in human beings (Catabolic Process)



### TRANSPORTATION

- **In Plants :**

(a) Food is transported through phloem (Translocation)

(b) Water and minerals are transported through xylem (Ascent of Sap).

- **In Human Beings :**

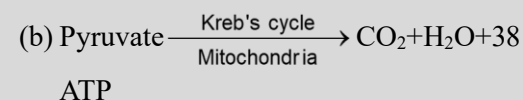
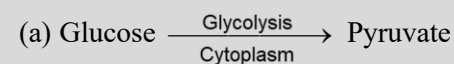
(a) Blood circulatory system consists of Heart, Arteries, veins and blood

(b) Lymphatic system consists of Lymph, Lymphatic Vessels and Lymph Nodes.

### RESPIRATION

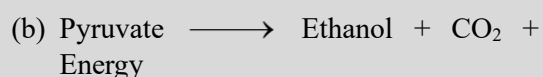
(Catabolic process)

- **Aerobic Respiration**

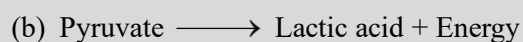


- **Anaerobic Respiration**

1. **In yeast**



2. **In human muscles**



### EXCRETION

- **In Plants:** Plants use different techniques for the removal of waste products.

- **In Human Beings:** Metabolic nitrogenous waste products are removed by nephrons in the kidneys.