

# EXCRETION

---

## Define: Excretion:

Excretion is the removal of waste products of metabolism , toxic substances and substances in excess of their requirements.

## Examples of waste products:

- **Carbondioxide:** Carbondioxide is a by -product of aerobic respiration and is removed through the lungs
- Urea is formed as a result of deamination and is expelled by the kidneys.

**Note: Nitrogenous waste products:** Waste products such as urea are called as nitrogenous waste products because they contain nitrogen.

- Hormones such as adrenaline are removed by the kidneys once they have affected the target organs
- Urine is the waste product which contains excess water, salts and spent hormones and drugs.
- Water, salts and urea are the excretory products of skin in the form of sweat.
- Kidneys excrete urea and excess water and salts
- Urea is formed in the liver from excess amino acids.

**Note:** Of all the excretory products, Carbon dioxide and urea are called as the main excretory products.