

## 2. NUTRITION IN ANIMALS

:-The process of taking food as well as utilisation of food organisms is called nutrition. All the animals are heterotrophic in nature so they cannot synthesise their own food. The process of nutrition takes place in five steps which are followings:-

i) Ingestion

ii) Digestion

iii) Absorption

iv) Assimilation

v) Egestion

**i) Ingestion:-**

The process of taking food by the animals is called ingestion.

**ii) Digestion:-**

The process in which complex form of food is converted into simpler form is called digestion.

<b>Nutrients</b>	<b>Digested form</b>
Carbohydrate	Sugar
ProteinS	Amino acid
Fats	Fatty acids and glycerols

**iii)Absorption:-**

The process in which digested food passes through the intestinal wall into the blood stream is called absorption.

**iv)Assimilation:-**

The process in which the absorbed food is taken in by body cells and used for energy,growth and repair,is called assimilation.

**v)Egestion:-**

The process in which the undigested food is removed from the body is called egestion.