

Chapter 8

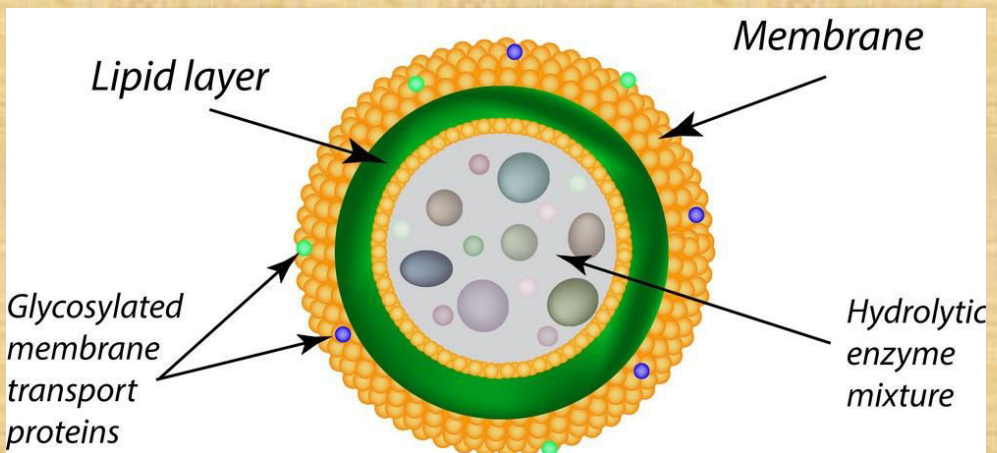
CELL-THE UNIT OF LIFE

Lysosomes:

1. These are the membrane bound vesicular structure formed by the process of packaging in the Golgi complex
2. The isolated lysosomal vesicle have been found to be every rich in hydrolytic enzymes(hydrolases lipases, proteases, carbohydrases) optimally active at acidic $P^H(P^H = 5)$.

Important points:

1. In plants large central vacuole functions as lysosomes.
2. Number of lysosomes are high in fungi.
3. They are found in all mammalian cells except red blood cells.



Functions:

1. Enzymes of Lysosomes are capable of digesting carbohydrates, proteins, lipids and nucleic acid

2. Cellular digestion:

- Also called as autolysis.

Sometimes all lysosomes of cell burst to dissolve cell completely. So lysosomes are also called as Suicidal bags.

