

Chapter 8

CELL STRUCTURES AND FUNCTIONS

PLASTIDS:

They are present only in plant cells, with double wall membrane depending upon the colour plastids are 3 types.

1. Leucoplasts
2. Chromoplasts
3. Chloroplasts

Leucoplasts:

These are colourless and store food. These are further classified as,

- a. Amyloplasts stores carbohydrate
- b. Aleuroplasts stores protein
- c. Eleioplasts stores FAT

Chromoplasts:

They contained coloured pigments. They are present in flowers & fruits.

Chloroplasts:

It is site for photosynthesis. It is a double membrane bound cell organelle.

It contains pile of coin like structure called -
"Granna".

Granna is made up thylakoides, thylakoides contain photo synthetic pigments, these pigments are essential for the capturing of son light.

The ground substance of chloroplast is "stroma", stroma contains enzymes, circular DNA and 70's Ribosome.

Chloroplasts is semi-Autonomous cell organelle. it can makes it's own copier.

