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Q1) Discuss the type of plastids and their respective functions

Ans) different plastids are

① chloroplast - the green pigment plastid which contains chlorophyll and helps in photosynthesis.

② chromoplast - coloured plastid for storage and pigment synthesis.

- Gives colour to flowers & fruits.

③ Leucoplast - They are colourless plastids, and used for monoterpenes synthesis found in non photosynthetic plant parts.

Q2) Explain the role of centrosome in cell division.

Ans) The centrosome is an important part of how the cell organizes the cell division. Centrosomes organize the microtubule organizing center. It duplicate before cell division, so they help to organize the microtubules and the cell division process.

Q3) Elaborate the role of vacuole in plant cell.

~~and vacuoles~~

Ans) vacuole are membrane bound. They help to maintain water balance, contains waste product, maintains turgid pressure and also maintains an acidic internal pH.