

17/5/21  
H.W

## Biology Homework

Q.1 Discuss the type of plastids and their respective functions.

Ans ★ Chloroplasts :- are the green plastids which contain chlorophyll pigments for photosynthesis.

★ Chromoplasts :- are the coloured plastids for pigment synthesis and storage.

★ Leucoplasts :- are the colourless plastids that store starch & proteins.

Q.2. Explain the role of centrosome in cell division of an animal cell.

Ans Centrosome helps in cell division of an animal cell. They maintain the chromosome number during cell division. They also stimulate the changes in the shape of

cell membrane by ~~phag~~ phagocytosis. It helps in organizing the microtubules ensuring that the centrosomes are distributed to each daughter cell.

Q3. Elaborate the role of vacuole in plant cell.

Ans. Vacuoles are fluid filled organelles surrounded by a membrane called Tonoplast. It provides rigidity to the plant cell. It acts as storage sacs of cell and stores food, water, sugar, minerals & waste products of the cell.