

Home Assignment

Q11 Why mitochondria are called as power house of cells?

Q11 Mitochondria is semi autonomous in nature. Justify your answer.

Q11 Discuss the place ~~where~~ where ribosome is synthesized. Write the function of ribosome.

Ans

① Mitochondria are known as power house of cell because it is responsible for the extracting energy from food through cellular respiration. The energy is released through ATP.

② Mitochondria is semi-autonomous organelle because it has its own

DNA and can replicate independently. Also it can make its own proteins and synthesises some enzymes which are essential for its functioning.

③ Ribosomes are synthesized in cytoplasm.

Other functions of ribosomes are:

d) It assembles amino acid to carry out proteins essential for carrying out cellular functions.

