

The fundamental unit of life

1. Why mitochondria are known as power house of the cell?

⇒ Mitochondria are the tiny organelles which are involved in producing energy from food in the process of cellular respiration in the form of ATP molecules. That is why they are called as power house of cell.

2. Mitochondria are semi autonomous organelle. Justify.

⇒ Mitochondria is semi autonomous organelle because, it has its own DNA and can replicate indefinitely. Also it can make its own proteins and synthesise some enzymes which are essential for its functioning.

3) Name the site where ribosomes are synthesized. Mention their

functions.

⇒ Nucleolus is the site where ribosomes are synthesized.

function of nucleolus -

* Transportation

* Manufacturing of RNA -