



Cell Biology

Eukaryotes= Plants , Animals , Fungi , Prokaryotes

Prokaryotes = Bacteria & Archaea

No membrane bound organelles // but localized proteins // internal organization

Eukaryotes - Extensive internal membrane // enclosed compartments // organelles

Borrowed from German Zyttoplasma , Cytoplasma . Equivalent to cyto+ plasm

▼ How the function of mitochondria was discovered?

▼ Anaerobic eukaryotes lack Mitochondria

▼ Chloroplast

More Complex structure than Mitochondria

2 Membrane + stalks of membrane

▼ The plants use sunlight as their power source, but human have their power source dependent on food from other living organism. How life evolved from light synthesis organism - to carnivores and herbivores ?

>photosynthetic bacteria engulfed by early eukaryotic cell

*plant respiration and animal respiration is somewhat same#