

Cornell

7th

2/8/16
2/4/16

I. Eukaryotic Cell parts that function together for life

- Cell Wall
- Cell Membrane
- Vesicle
- Ribosome
- lysosome
- Mitochondrion
- Golgi Complex
- Endoplasmic
Reticulum
- Chloroplast

II. Cell Wall

- a. Only Plants, Algae & (Mushrooms) ← Fungi have Cell walls.
- b. rigid, or stiff wall
- c. Surrounds Cell
Membrane
- d. Supports the cell &
Plant to stand up

III Cell Membrane

- a. All cells have
- b. Protective barrier
- c. Controls things that move into & out of the cell
- d. Nutrients and Water go into Cells - Wastes move out thru the Membrane

IV. Nucleus -

DNA -

DeoxyRibonucleic Acid

- a. Contains DNA
- b. DNA carries directions on how to make proteins
- c. Proteins control Chemical Reactions of a cell

II Ribosomes

Ribonucleic Acid

- a. Smallest organelles
- b. Make proteins
- c. RNA
- d. Carry out Protein Synthesis

★ Line up in order For a Protein ← e. Amino Acids make up these Proteins.

VI. Endoplasmic Reticulum

- a. Chemical Reactions in a Cell that happen occur ON OR IN the E.R.
- b. In a Cell's Cytoplasm
- c. group of Swirled Membranes
- d. Helps with the processing (read Messy) Production, and transport of Proteins
- e. Produces Lipids (Fats)
- f. Ribosomes are attached to ER. - Rough
- g. Smooth E.R. - also makes Lipids - breaks down Toxins that damage cells