

Cells Structure and Function

Ch. 7

Why is it important?

Cells are the basic unit of life. If we can understand cells, we can understand life's processes

CELL THEORY

1. All living things are made of cells
2. Cells are the basic unit of structure and function in organisms
3. All cells arise from existing cells

For videos and full notes, go to Luzierscience.weebly.com - ch. 7

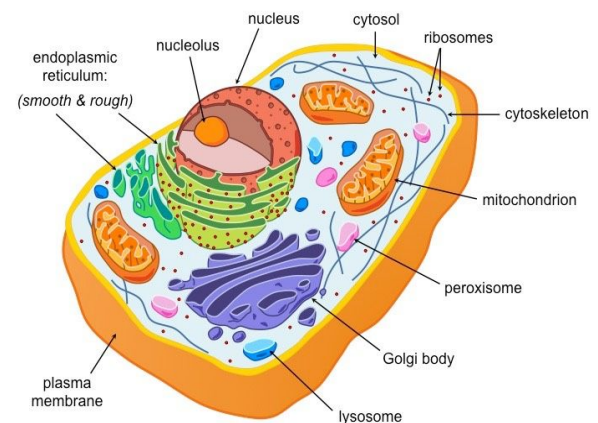
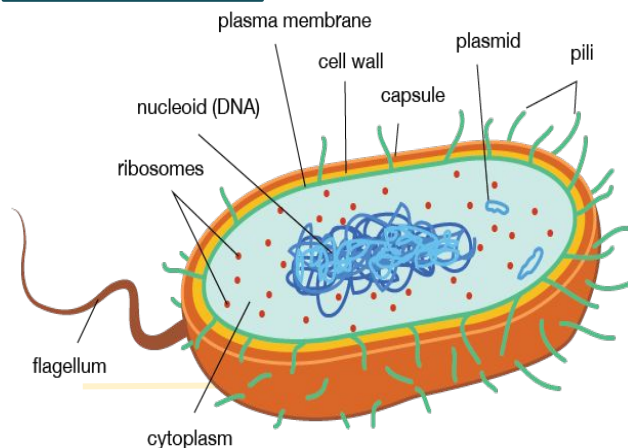
Cell size is limited by a cell's surface area to volume ratio

What is a prokaryotic cell?

- simple
- No membrane bound organelles
- Single celled
- Ex) bacteria

What is a eukaryotic cell?

- Complex
- Has organelles
- Multicellular
- Ex) plants, animals, etc.



Each organelle in a eukaryotic cell has a specific function for the cell. It is similar to organs in your body having specific functions for your body

Examples of prokaryotes



Examples of eukaryotes

