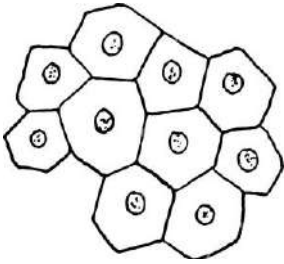


# Cells and Cell Theory



Smallest part of life  
Microscopic  
Membrane enclosed  
Cytoplasm



## TYPES

1. All living things are made of cells
2. Cell is the basic unit of life
3. Cells come from other cells



Look at all the scientists!

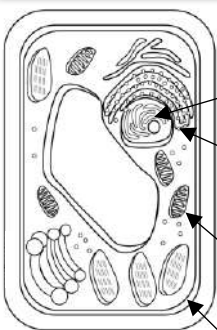
> ①

①

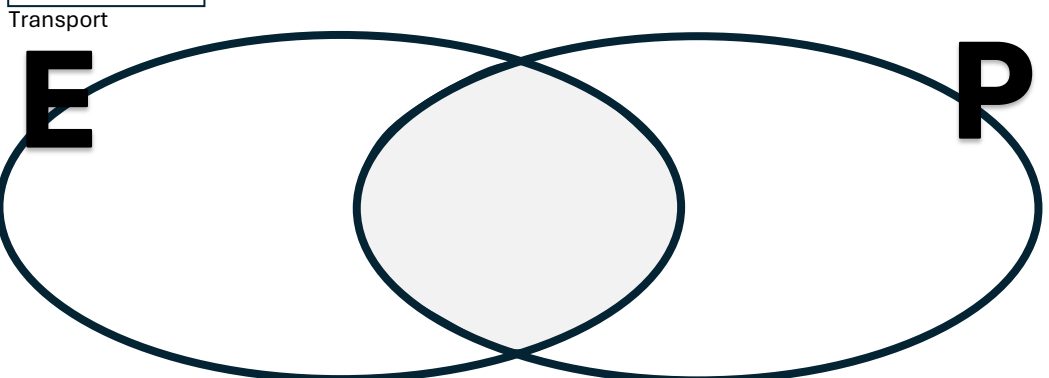
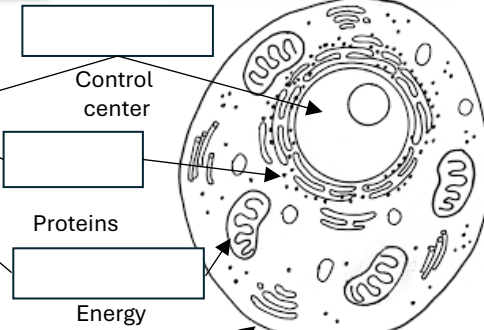
Autotrophs  
Producers

Heterotrophs  
Consumers

PRO - NO

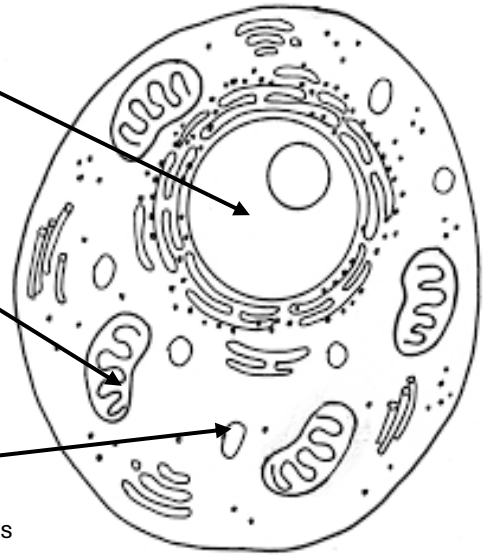
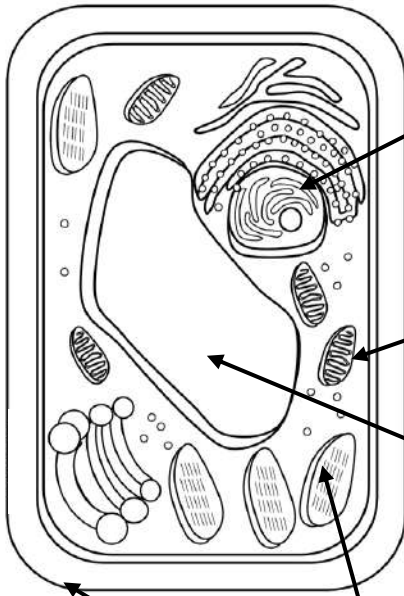


- **Eu-True:** Has a Nucleus
- Membrane Bound Organelles (ER, Mitochondria, Golgi...)
- Cell Membrane & Genetic Material in Nucleus



# Comparing Types of Eukaryotic Cells

## Plants and Animals



stores genetic information, DNA.  
It is like the brain of the cell.

supplies energy to  
the cell

fluid-filled sacs that store materials  
Large and full of water in plants  
Smaller in animal cells

provides rigid support  
Made of cellulose

converts solar energy to  
chemical energy  
(photosynthesis)

**P**

**A**