

# Cell Structure

## Vocabulary

# 1. Bilayer

- The double membrane that surrounds every cell.

# 5. Chromosomes

- In nucleus. Made of DNA. Contains recipes for all cell products (proteins).

# 7. Cytoplasm

- Jelly-like stuff between the nucleus and cell membrane.

# 8. Endoplasmic reticulum

- = ER. Passage way through cell. Sometimes covered with ribosomes.

# 11. Fluid Mosaic Model

- Current concept of a cell membrane.  
Phospholipids and proteins flow.

# 12. Golgi Apparatus

- Look like pancakes. Package and ship cell products that leave cell.

# 13. Hydrophilic

- Attracted to water, like the head of a phospholipid.



# 14. Hydrophobic

- Repelled by water, like the tail of a phospholipid

# 15. Lysosomes

- Round organelles filled with enzymes to digest food or break down waste.

# 18. Mitochondria

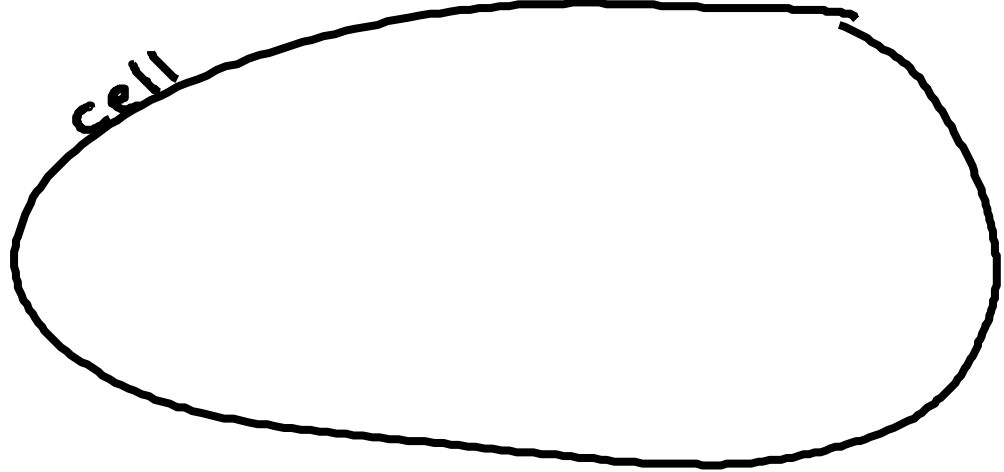
- Provides power to a cell. Smooth outer membrane, folded inner membrane.

# 19. Nuclear Envelope

- Double membrane, with pores, around nucleus.

# 20. Nucleolus

- Round thing in nucleus that makes ribosomes



# 21. Nucleus

- Controls cell activities. Where chromosomes are found.

## 22. Organelles

- Organ-like structures in cells. Include mitochondria, lysosomes, etc.

# 23. Phospholipids

- Major component of cell membranes with hydrophilic head and hydrophobic tail.





# 26. Ribosomes

- Look like small dots. Where proteins are assembled.

# 27. Rough ER

- ER with ribosomes

# 28. Smooth ER

- ER without ribosomes

# 9. Eukaryotic or Eukaryote

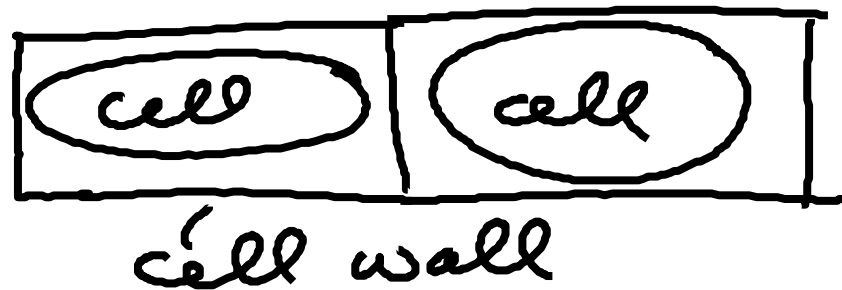
- Type of cell with nucleus and other membrane-bound organelles. Plants, animals, fungi.

## 25. Prokaryotic (or Prokaryote)

- Simple cells without nuclei. Bacteria.

## 2. Cell Wall

- Rigid “box” outside the cell membrane of plant, fungi and some bacteria cells.

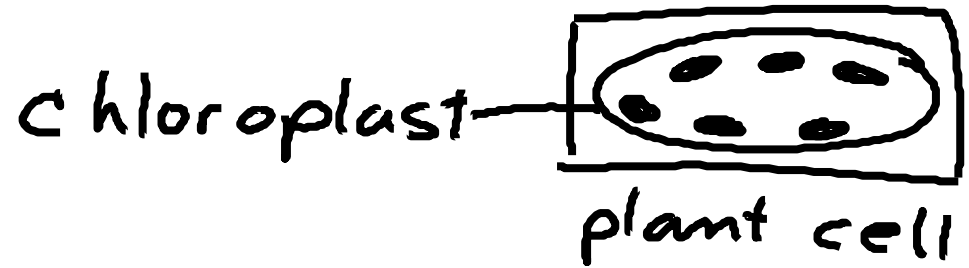


# 3. Cellulose

- What plant cell walls are made of.

# 4. Chloroplast

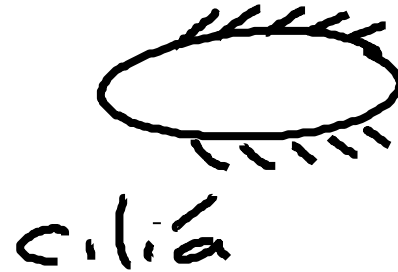
- Green plant organelle used for photosynthesis





## 6. Cilia

- Short hair-like structures for movement.



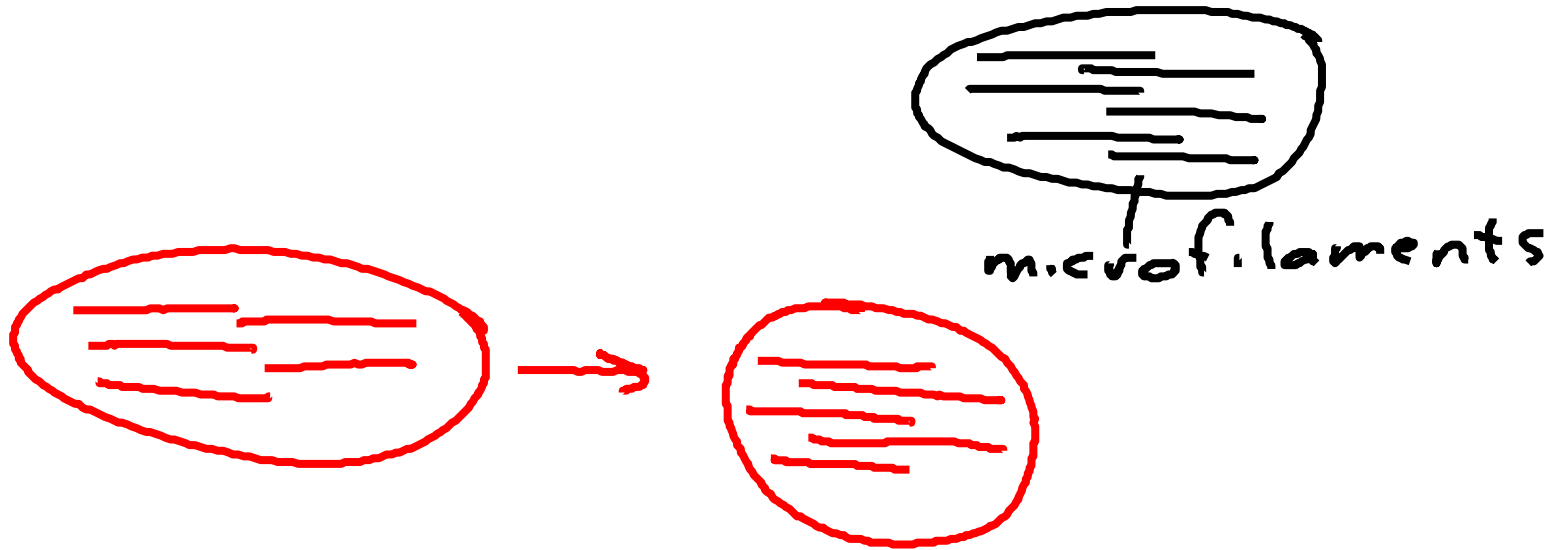
# 10. Flagella

- Long whip-like structures for movement.



# 16. Microfilaments

- Thin fibers in animal cells that contract to change cell shape. Important in muscle cells.



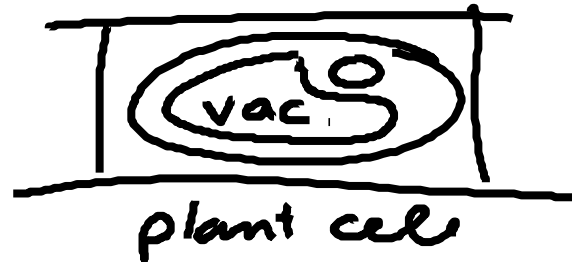
# 17. Microtubule

- Thick tube in animal cells for support and movement. Cilia and flagella are made of microtubules.



## 29. Vacuole.

- Storage organelle. Huge in plants where it stores water and starch. Small or absent in animals.



# 9. Eukaryotic or eukaryote

- Cell with nucleus and other membrane-bound organelles. Plants, animals, fungi.

# 25. prokaryotic

- Cells without nucleus. Bacteria and Archaea

# 24. Plastid

- Delete this. Covered with “chloroplast”



