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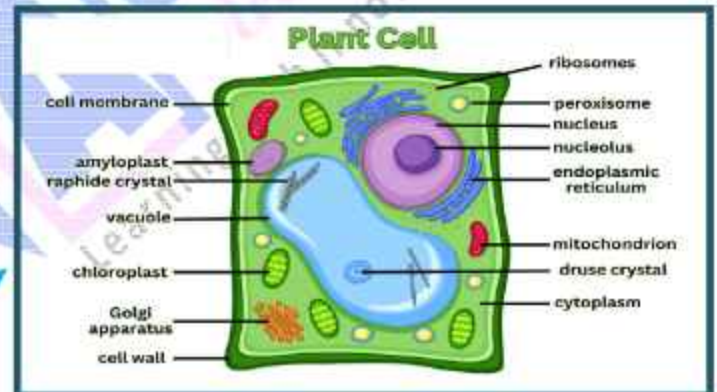
Self-Made Assignment - MS Word

Positioning, Grouping and Arranging Pictures in MS Word

Write the given Paragraph and insert pictures. Arrange the pictures according to the instructions. Save the file with "Cell Wall"

A plant cell is a type of eukaryotic cell that is unique to plants. It has several distinctive features that set it apart from animal cells. Here are the key components of a plant cell:

- **Cell Wall:** A rigid outer layer made of cellulose that provides structure, protection, and support to the cell.
- **Cell Membrane:** The semi-permeable membrane that controls the movement of substances in and out of the cell.
- **Nucleus:** Contains the cell's genetic material (DNA) and controls activities such as growth, metabolism, and reproduction.
- **Chloroplasts:** Organelles containing chlorophyll, which enable plants to perform photosynthesis—converting sunlight into energy.
- **Vacuole:** A large central vacuole filled with water, nutrients, and waste products. It helps maintain cell turgidity (firmness) and stores materials.
- **Cytoplasm:** A jelly-like substance where the organelles are suspended, and most cellular activities occur.
- **Mitochondria:** The "powerhouses" of the cell, responsible for producing energy (ATP) through cellular respiration.
- **Endoplasmic Reticulum (ER):** The network of membranes involved in protein and lipid synthesis. The rough ER has ribosomes attached to it, while the smooth ER does not.
- **Golgi Apparatus:** Responsible for modifying, sorting, and packaging proteins and lipids for transport.



Instructions:-

- You have to write the above Paragraph.
- You have to add a picture of the plant cell from the internet. Add border to it.
- You have to put this Picture "behind the text."
(Send Backward).

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An animal cell is also a type of eukaryotic cell, but it has a few key differences compared to a plant cell. Here's a breakdown of the main parts of an animal cell:

- **Cell Membrane:** Just like in plant cells, the animal cell has a cell membrane that regulates what enters and exits the cell. However, unlike plant cells, animal cells do not have a rigid cell wall.
- **Nucleus:** The control center of the cell, housing the genetic material (DNA). It directs activities like growth, metabolism, and reproduction.
- **Cytoplasm:** The gel-like substance that fills the cell, where most of the cell's activities take place. It contains organelles, enzymes, and other important molecules.
- **Mitochondria:** Known as the "powerhouses" of the cell, mitochondria produce energy (ATP) for the cell through cellular respiration.
- **Ribosomes:** Tiny structures where protein synthesis occurs. Ribosomes can either be free-floating in the cytoplasm or attached to the rough endoplasmic reticulum.
- **Endoplasmic Reticulum (ER):** The ER is a network of membranes involved in the synthesis of proteins (rough ER) and lipids (smooth ER).
- **Golgi Apparatus:** This organelle modifies, sorts, and packages proteins and lipids for transport throughout the cell or outside the cell.
- **Lysosomes:** Contain digestive enzymes to break down waste materials, cellular debris, and foreign invaders (like bacteria).
- **Centrioles:** Involved in organizing microtubules and aiding in cell division (mitosis).
- **Vacuoles:** Animal cells have smaller vacuoles compared to plant cells, and they help store nutrients, waste products, and other materials.

Animal cells also lack chloroplasts, which are found in plant cells and are responsible for photosynthesis. Instead, animal cells rely on consuming food for energy.



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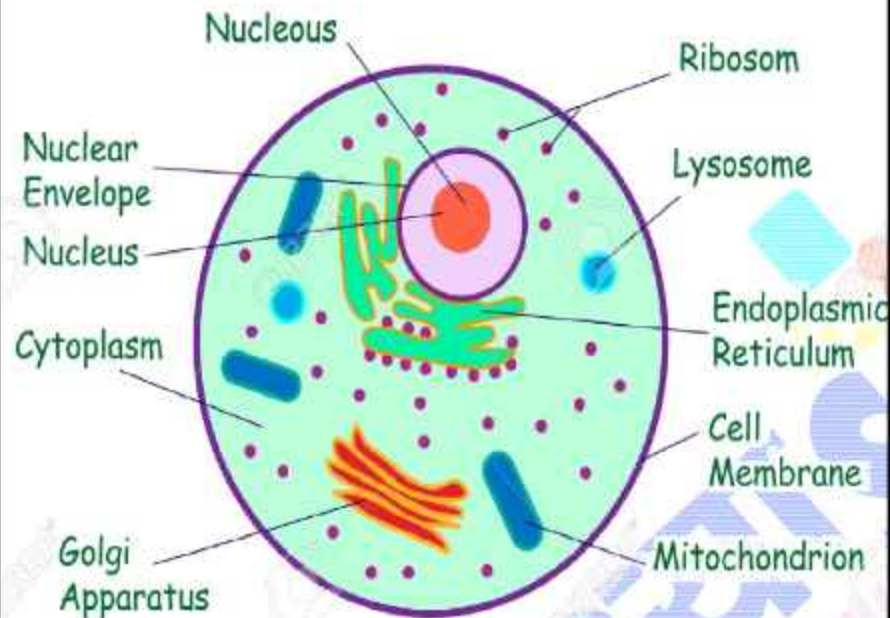
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Animal Cell



Instructions:-

- You have to write the above Paragraph.
- You have to add a picture of the Animal cell from the internet. Add border to it.
- You have to put this Picture "in front of the text." (Bring Forward).