












Parts of a Cell and Their Functions

Cells are made up of smaller parts, just like a house has rooms. Each part, called organelles, has a specific job to do. Here are some important ones:

-  **Nucleus:** This is like the cell's control center or brain. It holds the cell's instructions, which tell it what to do and how to grow.
-  **Cytoplasm:** It's like a jelly filling inside the cell that holds all the other parts together.
-  **Mitochondria:** These are like tiny powerhouses. They turn food into energy that the cell can use to do its work.
-  **Cell Membrane:** It's like the cell's protective fence. It controls what goes in and out of the cell.
-  **Endoplasmic Reticulum (ER):** This is like a transport system inside the cell. It helps move things around.
-  **Golgi Apparatus:** This part packages and sends out proteins and other materials from the cell.
-  **Vacuole:** It's like a storage space in the cell. It holds water, nutrients, and waste.
-  **Chloroplasts (in plant cells):** These help plants make food using sunlight. This process is called photosynthesis.
-  **Each part works together like a team to keep the cell healthy and functioning properly, just like how all the rooms in a house work together to make it a comfortable place to live.**