

## ANATOMY

### CELLS



Organelle	Function
Cell Wall	Provides structural support and protection.
Cell Membrane	Regulates the entry and exit of substances.
Nucleus	Contains genetic material (DNA) and controls cell activities.
Chloroplasts	Perform photosynthesis to produce energy.
Mitochondria	Produce energy through cellular respiration.
Endoplasmic Reticulum (ER)	Synthesizes and transports proteins and lipids.
Golgi Apparatus	Processes and packages proteins for transport.
Lysosomes	Break down waste materials and cellular debris.
Vacuole	Stores water, nutrients, and waste.
Cytoplasm	The fluid medium where organelles are suspended.
Centrioles	Involved in cell division.