

ANIMAL CELL STRUCTURE

Reference Diagram & Organelle Functions

Nucleus Contains genetic material (DNA) and coordinates cell activities.

Mitochondria The powerhouse; site of ATP (energy) production via respiration.

Ribosomes Small particles that serve as the site of protein synthesis.

Cell Membrane Semi-permeable barrier regulating entry and exit of substances.

Golgi Apparatus Modifies, sorts, and packages proteins for secretion.

Lysosomes Contains enzymes to break down waste materials and cellular debris.

Cytoplasm Jelly-like substance filling the cell.

Endoplasmic Reticulum Network for transporting synthesized proteins.

Centrioles Cylindrical structures involved in cell division.