

ANIMAL CELL STRUCTURE

[Diagram Area: Illustration of Animal Cell with Labels]

Organelle	Primary Function
Nucleus	Contains genetic material (DNA) and serves as the control center of the cell.
Mitochondria	The "powerhouse" of the cell; site of cellular respiration and ATP (energy) production.
Ribosomes	Small structures responsible for protein synthesis.
Endoplasmic Reticulum	Network of membranes involved in producing proteins (Rough) and lipids (Smooth).
Golgi Apparatus	Modifies, sorts, and packages proteins for secretion or delivery to other organelles.
Cell Membrane	Semi-permeable barrier that regulates what enters and exits the cell.
Lysosomes	Contains digestive enzymes to break down waste materials and cellular debris.
Cytoplasm	Jelly-like substance that fills the cell and surrounds the organelles.

Biology Reference Sheet Student Name: _____