

CELL ORGANELLES, STRUCTURES + FUNCTIONS

CELL MEMBRANE

location: on the outside of an animal cell and inside the cell wall of a plant cell

function: boundary that provides limited support to the cell and controls movement of materials in and out of the cell

CELL WALL

location: on the outside of a PLANT CELL

function: gives support and shape to cell

CHLOROPLASTS

location: distributed throughout the cytoplasm of a PLANT CELL

function: makes food by photosynthesis

CYTOPLASM

location: jellylike material throughout a cell

function: cellular liquid in which organelles are suspended

ENDOPLASMIC RETICULUM (ER)

location: distributed throughout the cytoplasm of a cell

function: makes lipids (fats) and packages proteins for delivery out of the cell

GOLGI COMPLEX (body/apparatus)

location: distributed throughout cytoplasm of a cell

function: changes, packages, and transports materials out of the cell

LYSOSOMES

location: distributed throughout cytoplasm of an ANIMAL CELL

function: digests food particles, waste, and foreign invaders (viruses, bacteria ...)

MITOCHONDRIA

location: distributed throughout cytoplasm of a cell

function: breaks down food molecules and releases energy

NUCLEUS

location: near the center of a cell

function: controls cell activities

RIBOSOMES

location: on ER and throughout the cytoplasm of a cell

function: make proteins

VACUOLE

location: distributed throughout the cytoplasm of a PLANT CELL

function: stores water and other substances