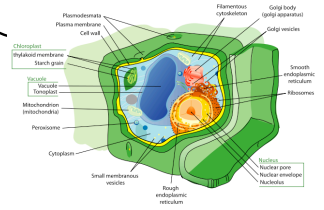
very small structures

complete specific functions

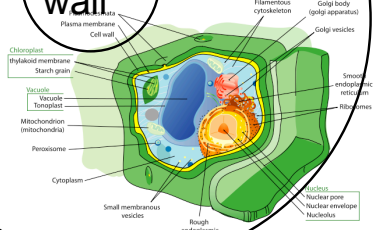
organelle



found in plant cells not animal cells

strong, rigid layer of dead material

cell wall

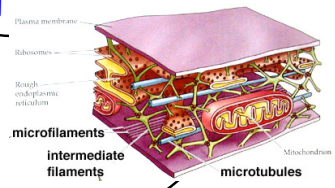


gives cell its shape

cyto-cell skeleton - frame

cytoskeleton

in animal cell only

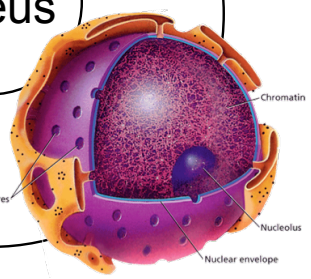


large oval structure

control center for cell

contains DNA

nucleus



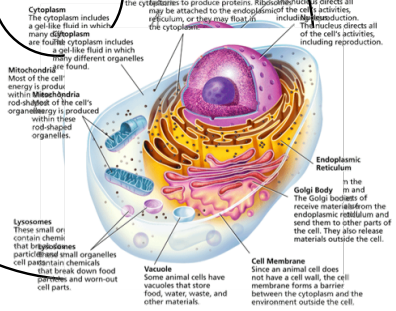
like soup in the cell

clear, thick, gel-like

cytoplasm

cyto-cell

plasm-fluid

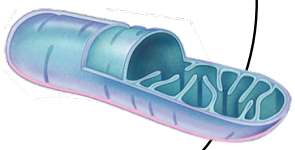


cell powerhouse

rod shaped

mitochondria

converts food to energy

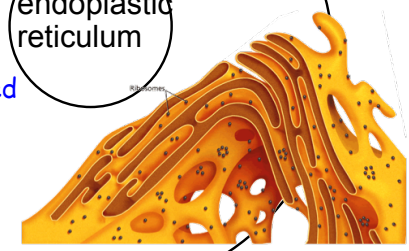


helps make protein

like a maze

endoplastic reticulum

abreviated ER

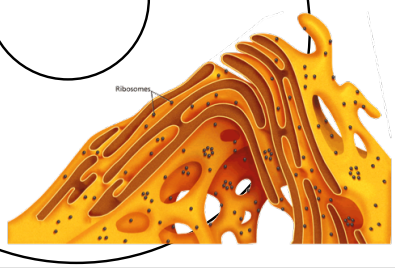


attached to the ER

small dark spots

ribosome

produce protein

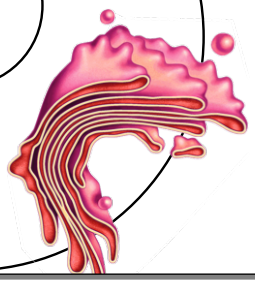


Golgi body

look like flattened sack and tubes

like the cells mail room

receive material, package it and deliver it

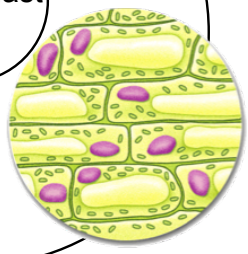


chloroplast

found only in plant cells

capture energy from sun

turn energy in to food

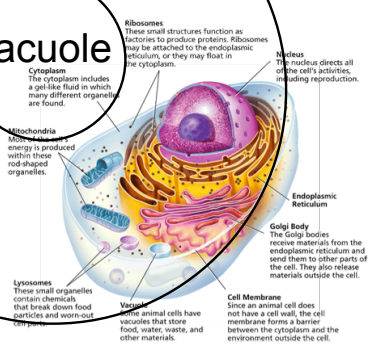


Plant Cells

vacuole

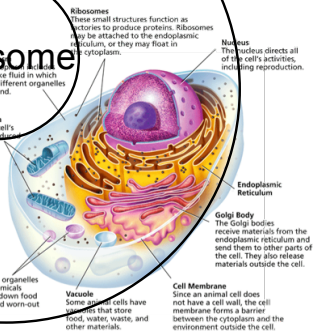
water-filled sacks

floating in the cytoplasm



lysosome

small,round structure

breaks down material in the cell

cell trash collectors