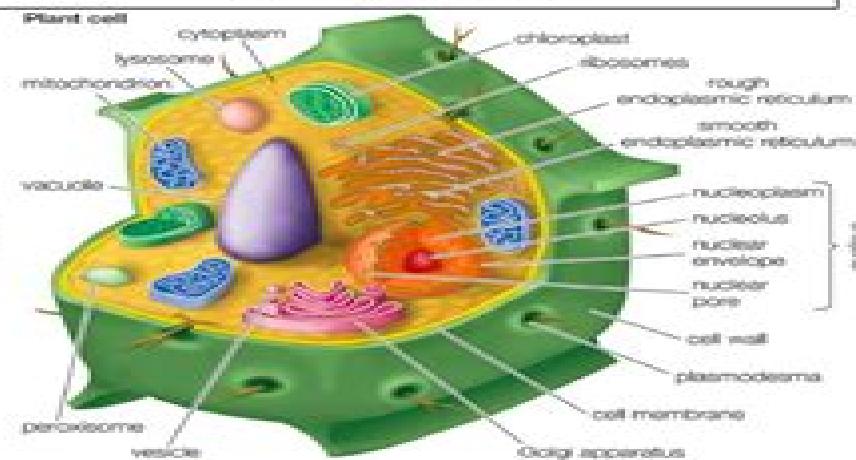
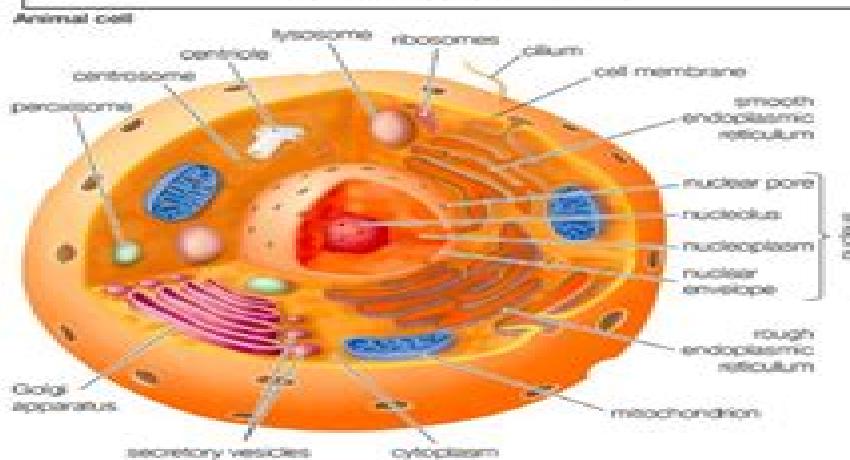


Biology notes

Plant and Animal Cells

- Cell parts and their functions
 - Cell Wall - found only in plant cells; structure/ protection
 - Cell Membrane - protection
 - Nucleus - control centre of a cell
 - Mitochondrion - powerhouse of the cell
 - Chloroplast - found only in plant cells; conducts photosynthesis to make food for the plant
 - Vacuole - stores nutrients, wastes, toxins and other substances
 - Nuclear Membrane - surrounds the nucleus
 - Nucleolus - small dense area in the nucleus
 - DNA - coded information for making proteins and other molecules
 - Chromosome - contains DNA
 - Endoplasmic Reticulum:
 - Rough ER - makes proteins
 - Smooth ER - makes fats and oils
 - Cytoplasm - fills the cell and surrounds the organelles
 - Lysosome - digests invading bacteria and damaged cell organelles
 - Golgi Bodies - modifies, sorts, and packages proteins for delivery throughout or outside the cell
 - Centrioles - found only in animal cells; involved in cell division
- Plant vs Animal Cells

Plant Cells	Animal Cells
Cell wall	No cell wall
Chloroplasts are present	Chloroplasts are absent
One large vacuole	Many small vacuoles
Centrioles are absent	Centrioles are present



10th Grade Biology Study Guide

Kim Moyer

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