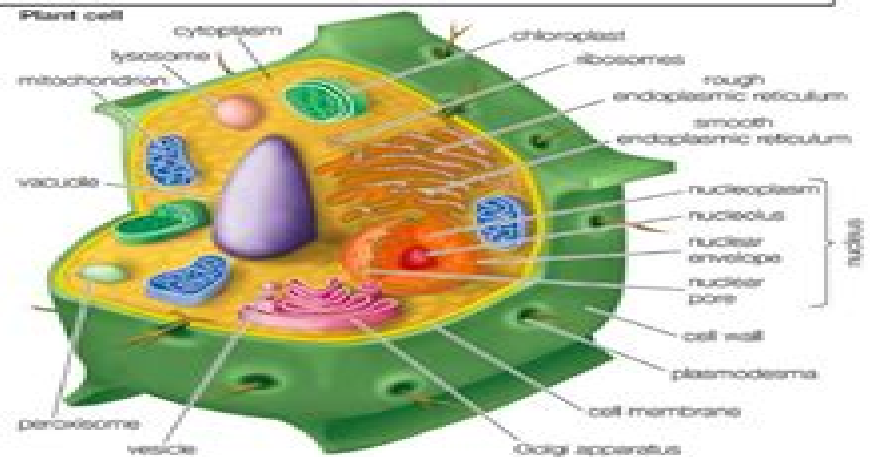
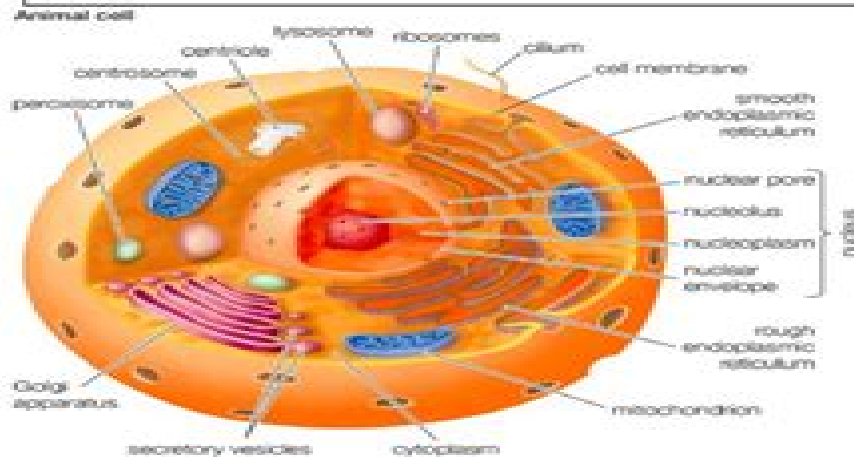


Biology notes

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

Thomas G. Carskadon



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critical in active learning how do they work in a room filled with circular tables and no central focus point How do instructors balance group learning with the needs of the larger class How can students be held accountable when many will necessarily have their backs facing the instructor How can instructors evaluate the effectiveness of their teaching in these spaces This book is intended for faculty preparing to teach in or already working in this new classroom environment for administrators planning to create ALCs or experimenting with provisionally designed rooms and for faculty developers helping teachers transition to using these new spaces

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