Topics	Notes Diagnoms Drawings
Topics Understanding Cells	Notes, Diagrams, Drawings
Onder standing Cens	In 1665, Robert Hooke built a microscope
	and observed Cork Oak cells.
	He named these structures after the term cellula which
	means "small rooms" in latin.
What is the Cell Theory	Cell Theory states:
	1) All living things are made of one or more cells.
	2) The cell is the smallest unit of life.
	3) All new cells from preexisting cells.
What are macromolecules?	Definition: Substances in cells that form when many small molecules join together.
What is the relationship between water and the cell?	Cells are made up of 70 percent water.
	Two functions water has pertaining to the cell include:
	Surrounds and insulates the cell, maintaining homeostasis.
	2. Dissolves substance for the cell to use.

What are Nucleic Acids?	Definition: A macromolecule made of a that forms when long chains of molecules called nucleotides join together.
	Function: Contains genetic information, includes instructions for
What are Proteins?	Definition a long chain of amino acid molecules; contains carbon, hydrogen, oxygen, nitrogen, and sometimes sulfur.
	Function: Used for communication and transport between cells, breaks down nutrients in food, also used for structural support.
What are Lipids?	Definition A large macromolecule that does not dissolve in water.
	Function: Work as protective barriers, used for energy storage and cell communication.
What are Carbohydrates?	Definition A macromolecule made up of one or more sugar molecules.
	Function: Store energy, provide structural support, and communication between cells.