Week 6 vocabulary

Microscope- an instrument that makes small objects look larger

cell theory - a belief that: all living things are made of cells, cells are the basic units of structure and function in living things, and all cells are produced from other cells.

structure - what an object, tissue, organ, organ system, or organism is made of and how its parts are put together

function - how a cell, tissue, organ, or organ system works which then allows an organism to stay alive and reproduce

organelle - tiny structures inside a cell

mitochondria - “powerhouses” of the cell – this organelle changes energy in food molecules to energy the cell can use to carry out its functions

cell wall - rigid (unbending) layer of nonliving material that surrounds the cells of plants and some other organisms

ribosome – organelle that functions as factories to produce proteins

cell membrane - in cells, without a cell wall, this forms the outside boundary that separates the cell from its environment. It controls what substances come into and out of a cell.

cytoplasm - region between the cell membrane and the nucleus

chloroplast - organelle that captures energy from the sunlight and uses it to produce food for the cell

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