

Cells Study Sheet

1. Organelles Tiny cell structures that carry out specific functions within the cell.
2. Cell Wall Rigid layer of non living material that surrounds, protects, and supports the cells of plants and other organisms.
3. Cell Membrane Located just inside the cell wall or forms the outside boundary that separates the cell from its environment.
4. Nucleus The cell's control center, directing all of the cell's activities.
5. Cytoplasm The region between the cell membrane and the nucleus.
6. Mitochondria Rod shaped organelles which are the "powerhouses" of the cell because they produce most of the energy the cell needs to carry out its functions.
7. Endoplasmic Reticulum Passageways that carry proteins and other materials from one part of the cell to another.
8. Ribosomes Small structures that function as factories to produce proteins.
9. Golgi Bodies Receive proteins and other newly formed materials and distribute them to other parts of the cell.
10. Chloroplasts Captures energy from sunlight and uses it to produce food for the cell.
11. Vacuoles Storage area of a cell.
12. Lysosomes Small, round structures in cells that break stuff down.
13. Prokaryote A single celled organism that does not have a nucleus or membrane-bound organelles. DNA is in the cytoplasm.
14. Eukaryote A multicellular organism made up of cells that contain their DNA in a nucleus.
15. DNA Deoxyribonucleic acid. A genetic material that provides instructions for all cell processes.