

Cell Vocabulary

Vocabulary Words:

Cell - smallest unit of structure and function in every living thing.

Unicellular - organism made up of only one cell.

Multicellular - organism made up of more than one cell.

Organism = an individual form of life

Colony = a group of organisms living closely together depending on one another.

Autotroph = an organisms ability to make its own food - usually by the process of photosynthesis.

Heterotroph = an organism that must get its food from outside sources.

Homeostasis = an organisms ability to maintain equilibrium

Microorganisms - living things that cannot be seen with the naked eye. They can only be seen through a microscope.

Prokaryotic - simple unicellular organisms such as bacteria.

Eukaryotic - cells that are complex, having more organelles than prokaryotic cells, often belonging to multicellular organisms.

Organ - tissues working together for a specific body purpose.

Organelle- small units of a cell that carry out specific functions that is necessary for the life of the cell or organism.

Metaphor = comparison of two things that are unlike without using “like” or “as”.

Cell Vocabulary

Organelles:

Cytoplasm = clear thick fluid inside the cell that supports/protects organelles.

Cell membrane = barrier between a cell and its environment that lets materials in and out of the cell.

Cell wall = in plant cells, a strong, rigid outer layer that provides strength and protection.

Nucleus = Controls the activities of the cell

Chloroplasts = in plant cells, makes food for the plant using energy from the sun.

Mitochondria = produces energy for the cell. (Powerhouse)

Vacuoles = stores food, water, and wastes for the cell.

Nucleolus = Region that functions like a nucleus but is not a true nucleus.

Endoplasmic reticulum = network of tubes that carry materials throughout the cell.

Ribosomes = makes the proteins for the cell.

Golgi bodies = packages and exports proteins.

Lysosomes = Contains enzymes to break down and digest food, old cell parts, bacteria, toxins, etc.

Cilia = minute hair-like organelles, identical in structure to flagella (except length) used in certain cells for locomotion - they beat in rhythmic waves.

Flagella = usually occur as one or two per organism - identical in structure to cilia (except length) used in certain cells for locomotion - often move in a whip-like action.

Cell Vocabulary

Word Parts:

multi- = many

uni- = one

Chlor- = green

Lys- = break down

Micro- = small

-phyll = leaf

Endo- = within

Cyto- = cell

-osis = abnormal condition

Phago- = eating

Pino- = drinking

Pseudo- = false

Pod- = foot

-ia = pertaining to

Photo- = light

-synthesis = to make

Meta- = among, with, after, beyond

-chrom = color

-al = pertaining to