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Characteristics of Life

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| **Across****3.** Process by which glucose is broken down into smaller parts.**4.** Large macromolecule that doesn't dissovle in water.**6.** Stiff structure outside the cell membrane that protects cell from attack of viruses and any other harmful organism.**8.** Long chain of ammino acid molecules.**15.** The smallest unit of all life.**16.** A macromolecule that forms when long chains of nucleotides molecules join together.**19.** Reaction that eukaryotes and prokaryote cells can use to obtain energy when oxygen levels are low.**20.** Membrane-bound organelle that uses light energy and make glucose from water and carbn dioxide in the process of photosythesis.**23.** Substance that forms when many small molecules join together.**24.** The fexlable covering surrounding the cell to protect the inside of the cell from the environment outside the cell.**25.** Movement of substances through a cell membrane using the cell's energy.**26.** Process during which a cell takes in a substance by surrounding it with the cell membrane  | **Down****1.** Part of a eukaryotic cell that directs cell activity and contains genetic info stored in DNA.**2.** Movement of substances through a cell membrane without using the cells energy**5.** Series of chemical reactions that convert light energy, water and carbon dioxide into food energy glucose and give off oxygen.**7.** Liquid part of a cell inside the cell membrane.**9.** Something that has all the charcateristics of life.**10.** Network of thread like protiens joined together that gives cells their shape and helps them move.**11.** A living thing made up of two or more cells.**12.** A macromolecule made up of one or more sugar molecules. This is the body's main source of energy.**13.** Process by which cell's vesicals release their contents outside the cell. **14.** Theory that states: All living things are made up one or more cells; Cells are the smallest unit of life; All new cells come from preexisting cells.**17.** Movement of substances from an area of lower concentration.**18.** A living thing made up of only one cell.**21.** Membrane-surrounded component of a eukaryotic cell with a specialized function.**22.** An organisms ability to maintain steady internal conditions when outside conditions change. |