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Characteristics Of Life

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| **Across**  **1.** A substance that forms when small molecules join together  **2.** Series of chemical reactions that convert light energy, carbon dioxide, and water into the food energy molecule glucose and give off oxygen  **7.** Liquid part of a cell inside the cell membrane  **10.** Stiff structure outside the cell membrane that protects a cell from attack from viruses and other harmful organisms  **11.** Membrane-surrounded component of a eukaryotic cell with a specialized function  **15.** A long chain of amino acid molecules  **16.** "Protein factories" produced in the nucleolus  **17.** Movement of substances through a cell membrane without using the cell's energy | **Down**  **3.** An organism's ability to maintain steady internal conditions when outside conditions change  **4.** Network of threadlike proteins joined together that gives a cell its shape and helps it move  **5.** Process during which a cell's vesicles release their contents outside the cell  **6.** A living thing that is made up of two or more cells  **8.** Process by which glucose is broken down into smaller molecules  **9.** Reaction that eukaryotic and prokaryotic cells can use to obtain energy from food when oxygen levels are low  **12.** A large macromolecule that does not dissolve in water  **13.** Process during which a cell takes in a substance by surrounding it with the cell membrane  **14.** Something that has all of the characteristics of life |