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Section 1.1.1

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| **Across**  **6.**  What is the process of engulfing a particle into the cell called?  **8.** What is the organelle that is made of a double layer of phospholipids that form a boundary between a cell and the surrounding environment and controls the passage of materials into and out of the cell?  **9.**  What is the diffusion of water called?  **11.**  What is the part of the Endoplasmic Reticulum that contains ribosomes?  **13.** What is the part of the Endoplasmic Reticulum that doesn't contain ribosomes?  **16.** What is the name for the part found in chloroplasts that house the light dependent reactions of photosynthesis?  **18.** What is the organelle that releases spindle fibers?  **19.** What is the organelle that is a jelly-like substance that surrounds all organelles?  **21.**  What is the organelle that aids in photosynthesis?  **22.**  What is the organelle that is a stack of flat, enclosed membranes whose purpose is to process sort and deliver proteins? \*aka the post office for the cell\*  **23.** What is the organelle that attaches to centromeres in metaphase of mitosis?  **24.**  What is the organelle that is a interconnected network of thin folded membranes that produce process and distribute proteins? \*hint: has two parts\* | **Down**  **1.** What is the name for the process by which a photosynthetic organism uses energy to synthesize simple sugars from carbon dioxide?  **2.** What is the organelle that is used to store materials such as water food or enzymes needed by a cell?  **3.** What is the organelle that contains the majority of the cells genetic information?  **4.** What part of the mitochondria allows for a large surface area for things like the electron transport chain and krebs cycle to occur?  **5.** What is the organelle that is the site of protein synthesis (translation)?  **7.**  What is the organelle that is the rigid outer structure that gives shape, protection and structure to cells of plants, algae, fungi and bacteria?  **10.**  What is the organelle that acts as the garbage disposal for the cell?  **12.**  What is the intake of molecules into the cell by the inward folding of the cell membrane called?  **14.**  What is the name for stacks of thylakoids?  **15.** What is the process of releasing substances out of the cell by the fusion of a vesicle with the cell membrane?  **17.**  What is the name of the fluid surrounding grana in the chloroplast?  **20.** What is the organelle that is the "powerhouse " of the cell? |