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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? |