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Cells And Their Organelles

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| **Across**  **2.** Regulates materials entering and leaving cell; protects and supports cell  **5.** Modifies, sorts, and packages proteins and lipids for storage or transport out of the cell  **10.** Synthesize proteins  **13.** 1. All living things are made up of cells 2. Cells are the basic units of structure and function in living things 3. New cells are produced from existing cells  **14.** Convert solar energy to chemical energy stored in food  **15.** Store materials  **16.** A double-layered sheet that gives cell membranes a flexible structure that forms a strong barrier between the cell and its surroundings  **18.** Means that some substrates can pass across them and others cannot  **19.** Organize cell division | **Down**  **1.** Cells that do NOT enclose DNA in nuclei  **3.** Assembles proteins and lipids  **4.** Cells that enclose their DNA in nuclei  **6.** Convert chemical energy in food to usable compounds  **7.** Means "little organs"  **8.** A large membrane-enclosed structure that contains genetic material in the form of DNA and controls many of the cell's activities  **9.** Mains cell shape; moves cell parts; helps cells move  **11.** Shapes, supports, and protects the cell  **12.** Break down and recycle macromolecules  **17.** Basic units of life |

   Nucleus       Vacuoles and vesicles       Lysosomes       Cytoskeleton       Centrioles       Ribosomes       Endoplasmic reticulum       Golgi apparatus       Chloroplasts       Mitochondria       Cell wall       Cell membrane       Lipid bilayer        Organelles       Eukaryotes       Prokaryotes       Cells       Cell theory       Selectively permeable