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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