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Cell Parts

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| **Across**  **4.** an organelle in the cytoplasm of cells that produces energy  **6.** the basic structural unit of all living things  **13.** A single-celled or multicellular organism whose cells contain a membrane-bound nucleus  **14.** a cell organelle containing enzymes that digest particles  **15.**  a specialized part of a cell having some specific function made of macromolecules  **16.** the semipermeable membrane enclosing the cytoplasm of a cell | **Down**  **1.** The membrane network in cytoplasm that is composed of tubules that carry ribosomes on their surfaces some are rough while others are smooth.  **2.** providing locomotion to protozoans and moving liquids along internal tissues in animals  **3.** a complex of vesicles and folded membranes within the cytoplasm of most eukaryotic cells, involved in secretion and intracellular transport  **5.** contains chlorophyll and other pigments, occurrs in plants and algae that carry out photosynthesis  **7.**  enables many protozoa, bacteria, spermatozoa to move about / swim about the cell  **8.** the definite boundary that is part of plant cells and not in animal cells  **9.** particles in the cytoplasm of cells, either free or attached to the endoplasmic reticulum, that contain RNA and protein and are the site of protein synthesis  **10.** a double membrane, and found in most living eukaryotic cells, directing their growth, metabolism, and reproduction, and functioning in the transmission of genic characters  **11.** organism not enclosed in a nucleus. Bacteria and archaeans are this  **12.** jelly like substance between the cell membrane and the nucleus |