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Biology study guide

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| **Across**  **3.** membrane bound organelles present in almost all eukaryotic cells Responsible for orchestrating cellular energy production?  **4.** What transports and modifies proteins?  **8.** has two functions, decoding the message and the formation of peptide bond?ds  **11.** the gel-like fluid inside the cell  **13.** a group of cells that have similar structure and that function together as a unit  **15.** controls and regulates the activities of the cell and carries the genes?  **16.** \_\_\_\_\_\_\_ endoplasmic reticulum produce proteins for the rest of the cell to function  **18.** provides tensile strength and protection against mechanical and osmotic stress?  **19.** small hair-like organelle that are dotted across the surface of a cell.  **20.** e smallest unit that can live on its own and that makes up all living organisms  **21.** what convert light energy into relatively stable chemical energy via the photosynthetic process? | **Down**  **1.** collection of tissues that structurally form a functional unit specialized to perform a particular function  **2.**  enable cell motility, contraction, and intracellular transport  **5.** What does DNA stand for?  **6.** helps cells maintain their shape and internal organization  **7.** serve as barriers and gatekeepers  **9.** whatdegrading and recycling cellular waste, cellular signalling and energy metabolism?  **10.** regulating cell growth and movement as well as key signaling events  **12.** helps maintain water balance in plant cells  **14.** \_\_\_\_\_\_ endoplasmic reticulum synthesizes lipids, phospholipids as in plasma membranes, and steroids  **17.** large hair-like organelle that help movement |