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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 |