Prokaryotic and Eukaryotic cells

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| **Across**  **4.** What are the smallest units of life?  **8.** What is the colorless material comprising the living part of a cell?  **10.** What is a tough and rigid outer layer that protects the cell and gives it shape?  **12.** What is an organism consisting of a cell?  **15.** What are the food producers of the cell?  **18.** What is a whip-like structure that allows a cell to move?  **19.** What is a complex of vesicles and folded membranes within the cytoplasm of most eukaryotic cells?  **20.** What are organelles that contain digestive enzymes? | **Down**  **1.** Several structures with specialized functions, suspended in the cytoplasm of a eukaryotic cell  **2.** What is the semipermeable membrane surrounding the cytoplasm of a cell?  **3.** What are known as the powerhouses of the cell?  **5.** What is a network of membranous tubules within the cytoplasm of a eukaryotic cell?  **6.** what is in the center of our cells?  **7.** What is a microscopic single-celled organism?  **9.** What is the material or protoplasm within a living cell, excluding the nucleus?  **11.** What is a small dense spherical structure in the nucleus of a cell during interphase?  **13.** What is a gelatinous layer forming the outer surface of some bacterial cells?  **14.** What is a molecule that encodes genetic information for the development and functioning of living organisms?  **16.** What are the protein builders or the protein synthesizers of the cell?  **17.** What is an irregularly shaped region within the cell of a prokaryote? |