Prokaryotic and Eukaryotic cells

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|  |  |  |  |  |  |  | 3M |  |  |  |  |  |  |  L |  |  A |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  T |  |  |  |  |  |  |  M |  |  E |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  O |  |  |  |  |  | 4C |  E |  L |  L |  S |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  C |  |  |  |  |  |  |  M |  |  L |  |  |  | 5E |  | 6N |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  H |  |  |  |  |  |  |  B |  |  E |  | 7P |  |  N |  |  U |  |  |  |  |  |  |  |
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|  |  |  |  | 12E |  U |  K |  A |  R |  Y |  O |  T |  E |  | 13C |  | 14D |  |  Y |  |  S |  |  |  |  |  |  U |  |  |  |
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|  |  |  |  |  |  |  |  | 15C |  H |  L |  O | 16R |  O |  P |  L |  A |  S |  T |  |  I |  | 17N |  |  |  |  L |  |  |  |
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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? |