|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Cell Organelle

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 1  C |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 2  V | A | C | U | O | L | E | S |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | L |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | L |  | 3  C |  |  |  |  |  |  | 4  L |
|  |  |  |  |  |  |  |  |  |  | W |  | Y |  |  |  |  |  |  | Y |
| 5  G | 6  O | L | G | I | B | O | D | Y |  | A |  | T |  |  |  |  |  |  | S |
|  | R |  |  |  |  |  |  |  |  | L |  | O |  |  |  |  | 7  N |  | O |
|  | G |  | 8  C | H | L | O | R | O | P | L | A | S | T |  |  |  | U |  | S |
|  | A |  |  |  |  |  |  |  |  |  |  | K |  |  |  |  | C |  | O |
| 9  E | N | D | O | P | L | A | S | M | I | C | R | E | T | I | C | U | L | U | M |
|  | E |  |  |  |  |  |  |  |  |  |  | L |  |  |  |  | E |  | E |
|  | L |  |  |  |  |  |  | 10  R |  |  |  | E |  |  |  |  | U |  |  |
|  | L |  |  |  |  |  |  | I |  | 11  C | Y | T | O | P | L | A | S | M |  |
|  | E |  |  |  |  |  |  | B |  |  |  | O |  |  |  |  |  |  |  |
|  |  |  |  |  | 12  M | I | T | O | C | H | O | N | D | R | I | A |  |  |  |
|  |  |  |  |  |  |  |  | S |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 13  C | E | L | L | M | E | M | B | R | A | N | E |  |  |  |  |
|  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across**  **2.** They can be used to contain cellular waste, isolate materials that may be harmful to the cell, or hold water for plants. They are very versatile in their function  **5.** modifying, sorting and packaging of proteins for secretion.  **8.** An elongated or disc-shaped organelle containing chlorophyll. This is the site of photosynthesis.  **9.** membrane system of folded sacs and interconnected channels that serves as a site for protein and lipid synthesis  **11.** Jelly-like substance that makes up the matrix of the cell body.  **12.** Shaped like a bean, this cell organelle helps take food and manufacture energy from it. It is known as the powerhouse of the cell. The energy it makes is ATP.  **13.** a double-layered membrane that surrounds the cell. Also called the plasma membrane, it regulates what enters and leaves the cell. | **Down**  **1.** found in fungi, plants, and bacteria. It surrounds the cell membrane and aids in support and structure of the cell.  **3.**  The cell's "skeleton" of microtubules which gives it shape, strength, and the capacity for directed movement  **4.** known as the garbage men, contains digestive enzymes to breakdown worn out cell parts or destroy foreign invaders  **6.** A specialized subunit within a cell that has a specific function, and is usually separately enclosed within its own membrane. Little organs within the cell.  **7.** The control center of the cell, it contains the hereditary information and carries the instructions for making proteins.  **10.** The organelles where proteins are made from the translation of RNA strands. |