Characteristics of Life Crossword

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|  |  |  |  | N |  |  |  |  |  |  | 3  H | O | M | E | O | S | T | A | S | I | S |  |  |  |  |  |  |  |  |
|  |  | 4  A |  | D |  |  |  | 5  C |  |  |  |  |  | L |  |  |  |  |  |  |  | 6  E |  |  |  |  |  |  |  |
| 7  M | A | C | R | O | M | O | L | E | C | U | L | E |  | L |  | 8  C |  |  |  |  |  | X |  |  |  |  |  |  |  |
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|  |  | I |  | Y |  | 9  M | U | L | T | I | C | E | L | L | U | L | A | R |  | 10  P |  | 11  C | E | L | L | W | A | L | L |
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|  |  | T |  | S |  |  |  | E |  |  |  | 12  F | E | R | M | E | N | T | A | T | I | O | N |  |  |  |  |  |  |
|  |  | R |  | I |  | 13  U |  | O |  |  |  |  |  | E |  | M |  |  |  | E |  | S |  |  | 14  C |  |  |  |  |
|  |  | A |  | S |  | N |  | R |  |  |  | 15  C |  | S |  | B |  |  | 16  L | I | P | I | D |  | Y |  |  |  |  |
|  |  | N |  |  |  | I |  | Y |  |  |  | H |  | P |  | R |  |  |  | N |  | S |  |  | T |  |  |  |  |
|  |  | S |  |  |  | C |  |  | 17  N | U | C | L | E | I | C | A | C | I | D | S |  |  |  |  | O |  |  |  |  |
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|  |  | O |  |  |  | L |  |  |  |  | 18  O | R | G | A | N | E | L | L | E |  |  | 19  C | E | L | L |  |  |  |  |
|  |  | R |  |  |  | L |  |  |  |  |  | O |  | T |  |  |  |  |  |  |  |  |  |  | A |  |  |  |  |
|  |  | T |  | 20  C |  | U |  |  |  |  |  | P |  | I |  | 21  G | L | Y | C | O | L | Y | S | I | S |  |  |  |  |
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|  |  |  | 22  O | R | G | A | N | I | S | M |  | A |  | 23  N | U | C | L | E | U | S |  |  |  |  |  |  |  |  |  |
|  |  |  |  | B |  | R |  |  |  |  |  | S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | O |  |  |  |  |  | 24  C | Y | T | O | S | K | E | L | E | T | O | N |  |  |  |  |  |  |  |  |
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|  |  | 27  P | A | S | S | I | V | E | T | R | A | N | S | P | O | R | T |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Across**  **3.** An organism's ability to maintain steady internal conditions when outside conditions change  **7.** When joining many small molecules together  **9.** Living things that are made from two or more cells  **11.** Stiff structure outside the cell membrane that protects a cell from attack by viruses and other harmful organisms  **12.** Reaction that eukaryotic and prokaryotic cells can use to obtain energy from food when oxygen levels are low  **16.** A large macromolecule that does not dissolve in water  **17.** Macromolecules that form when long chains of molecules called nucleotides join together.  **18.** Membrane surrounded component of a eukaryotic cell with a specialized function  **19.** The smallest unit of life  **21.** Process by which glucose is broken down into smaller molecules  **22.** Things that have all the characteristics of life  **23.** Part of a eukaryotic cell that directs cell activity and contains genetic info stored in DNA  **24.** Network of threadlike proteins joined together that gives a cell it's shape and helps it move  **25.** Series of chemical reactions that convert light energy, water, and carbon dioxide into the food energy molecule glucose and give off oxygen  **26.** Movement of substances from an area of higher concentration to an area of lower concentration  **27.** Movement of substance through a cell membrane without using the cell's energy | **Down**  **1.** Process during which a cell takes in a substance by surrounding it with the cell membrane  **2.** Series of chemical reactions that convert the energy in food molecules into a usable form of energy called ATP  **4.** The movement of substances through a cell membrane using the cell's energy  **5.** All living things are made of one or more cells, the cell is the smallest unit of life, and all new cells come from preexisting cells  **6.** Process during which a cell's vesicles release their contents outside the cell  **8.** Flexible covering that protects the inside of a cell from the environment outside the cell  **10.** Long chains of amino acid molecules  **13.** Living things that are made of only one cell  **14.** Liquid part of a cell inside the cell membrane  **15.** Membrane-bound organelle that uses light energy and males glucose from water and carbon dioxide in the process of photosynthesis  **20.** One sugar molecule, two sugar molecules, or a long chain of sugar molecules |