Characteristics of Life Crossword

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|  |  | 4A |  |  D |  |  |  | 5C |  |  |  |  |  |  L |  |  |  |  |  |  |  | 6E |  |  |  |  |  |  |  |
| 7M |  A |  C |  R |  O |  M |  O |  L |  E |  C |  U |  L |  E |  |  L |  | 8C |  |  |  |  |  |  X |  |  |  |  |  |  |  |
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|  |  |  V |  |  T |  |  |  |  T |  |  |  |  |  |  A |  |  L |  |  |  |  R |  |  Y |  |  |  |  |  |  |  |
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|  |  |  T |  |  S |  |  |  |  E |  |  |  | 12F |  E |  R |  M |  E |  N |  T |  A |  T |  I |  O |  N |  |  |  |  |  |  |
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|  |  |  | 22O |  R |  G |  A |  N |  I |  S |  M |  |  A |  | 23N |  U |  C |  L |  E |  U |  S |  |  |  |  |  |  |  |  |  |
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|  |  | 27P |  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  |