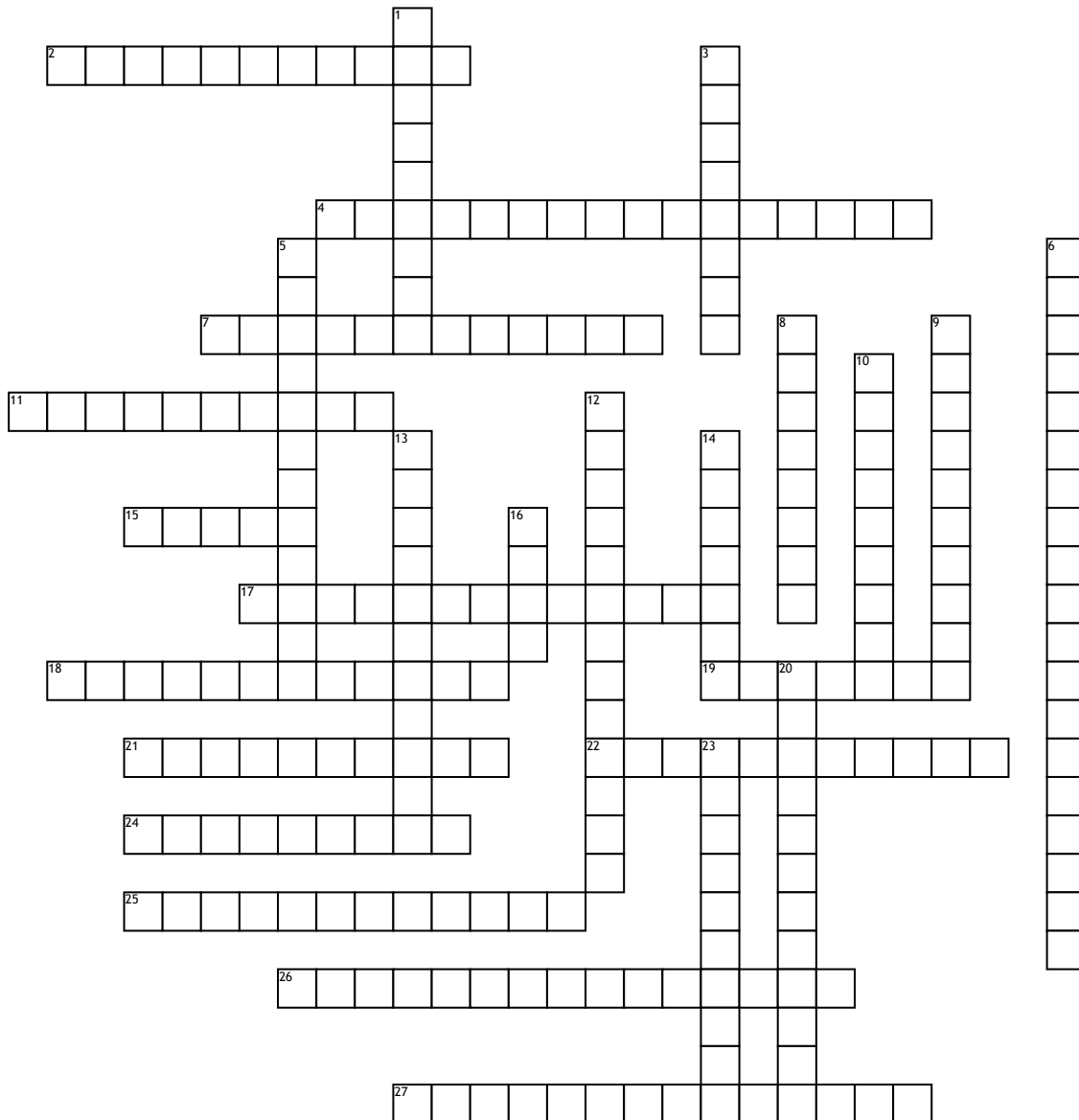


Characteristics of Life Vocabulary



Across

2. Process during which a cell takes in a substance by surrounding it with the cell membrane
4. Movement of substances through a cell membrane without using the cell's energy
7. Reaction that eukaryotic and prokaryotic cells can use to obtain energy from food when oxygen levels are low
11. All living things are made of cells, cells are the smallest units of life, and all new cells come from existing cells
15. Large macromolecule that does not dissolve in water
17. Substance that forms from joining many small molecules together
18. Network of threadlike proteins joined together that gives a cell its shape and helps it move
19. Part of a eukaryotic cell that directs cell activity and contains genetic info stored in DNA

21. Process by which glucose is broken down into smaller molecules
22. Living thing that is made up of only one cell
24. Liquid part of a cell inside the cell membrane
25. Macromolecule that forms when long chains of molecules called nucleotides join together
26. The movement of substances through a cell membrane using the cell's energy
27. Series of chemical reactions that convert light energy, water, and carbon dioxide into the food energy molecule glucose and g

Down

1. Movement of substances from an area of higher concentration to an area of lower concentration
3. Something that has all the characteristics of life
5. Macromolecule made up of one or more sugar molecules
6. Series of chemical reactions that convert the energy in food molecules into a usable form of energy called ATP
8. Stiff structure outside the cell membrane that protects a cell from attack by viruses and other harmful organisms
9. Process during which a cell's vesicles release their contents outside the cell
10. Membrane-surrounded component of a eukaryotic cell with a specialized function
12. Living thing made up of two or more cells
13. Organism's ability to maintain steady internal conditions when outside conditions change
14. Long chain of amino acid molecules
16. The smallest unit of life
20. Flexible covering that protects the inside of a cell from the environment outside the cell
23. Membrane-bound organelle that uses light energy and makes glucose from water and carbon dioxide in the process of photosynthesis