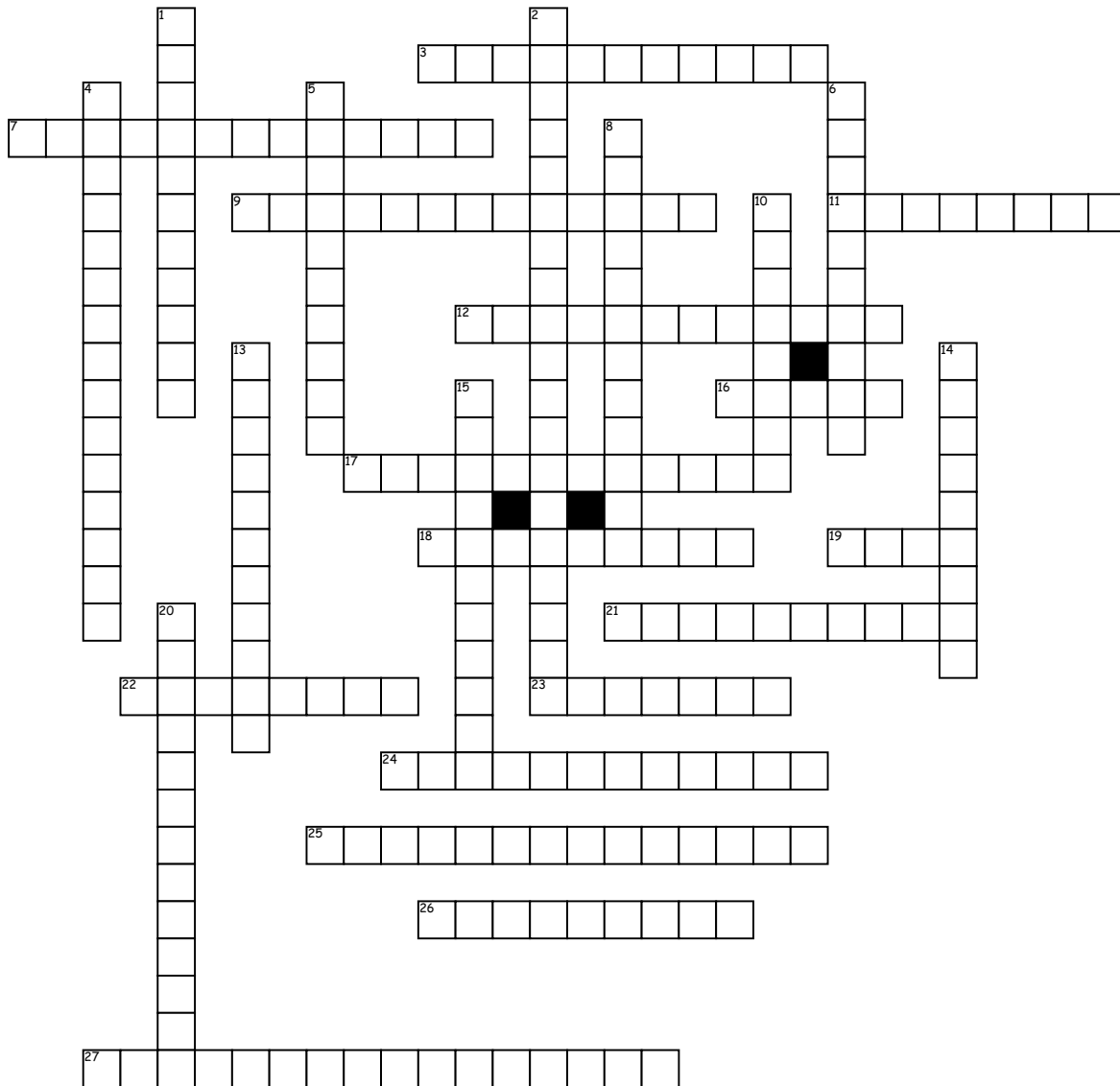


Characteristics of Life Crossword



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 its 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 takes 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