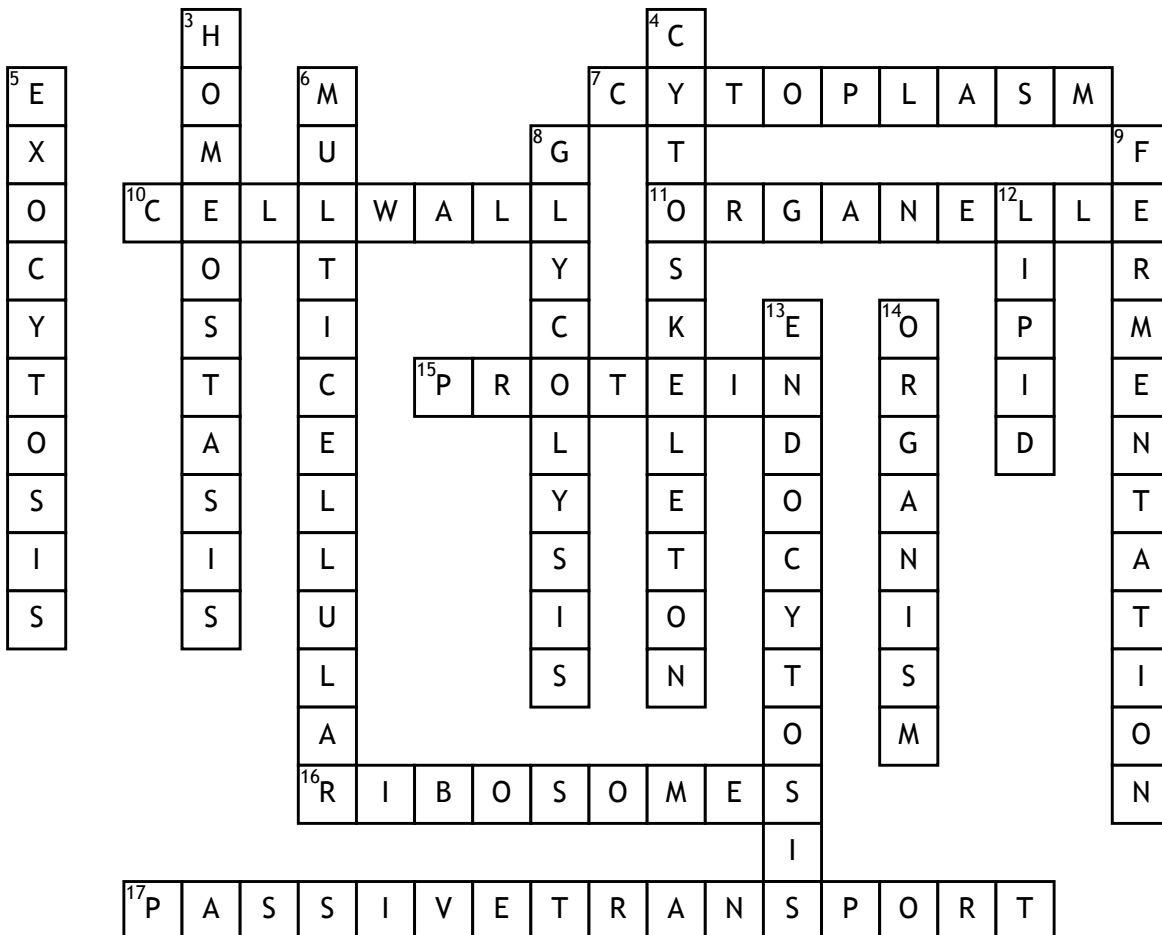


Characteristics Of Life

¹ M A C R O M O L E C U L E

² P H O T O S Y N T H E S I S



Across

- 1. A substance that forms when small molecules join together
- 2. Series of chemical reactions that convert light energy, carbon dioxide, and water into the food energy molecule glucose and give off oxygen
- 7. Liquid part of a cell inside the cell membrane
- 10. Stiff structure outside the cell membrane that protects a cell from attack from viruses and other harmful organisms
- 11. Membrane-surrounded component of a eukaryotic cell with a specialized function

- 15. A long chain of amino acid molecules
- 16. "Protein factories" produced in the nucleolus
- 17. Movement of substances through a cell membrane without using the cell's energy

Down

- 3. An organism's ability to maintain steady internal conditions when outside conditions change
- 4. Network of threadlike proteins joined together that gives a cell its shape and helps it move
- 5. Process during which a cell's vesicles release their contents outside the cell

- 6. A living thing that is made up of two or more cells
- 8. Process by which glucose is broken down into smaller molecules
- 9. Reaction that eukaryotic and prokaryotic cells can use to obtain energy from food when oxygen levels are low
- 12. A large macromolecule that does not dissolve in water
- 13. Process during which a cell takes in a substance by surrounding it with the cell membrane
- 14. Something that has all of the characteristics of life