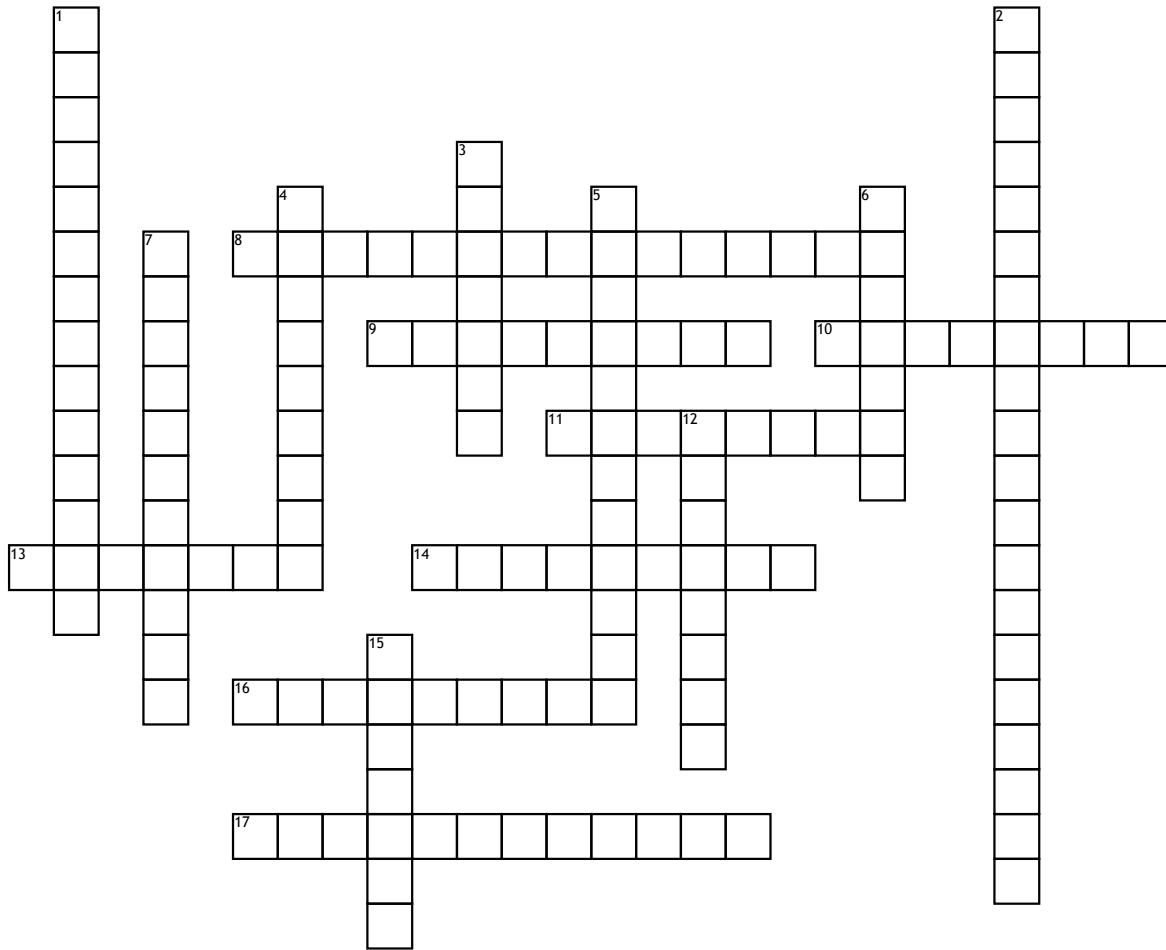


Cells - Crossword



Across

8. A double-layered membrane that surrounds and protects the nucleus.

9. A jelly-like substance, composed mainly of water, occupying most of the space between the cell membrane and the nucleus.

10. A tiny structure where proteins are synthesized.

11. The rigid, porous outer layer of a plant cell.

13. A round body in the center of the cell that contains DNA and regulates gene expression.

14. A bundle of microtubules that helps organize the movement of chromosomes during cell division.

16. A cell structure that performs a specific function.

17. Organelles that, using oxygen, convert nutrients into energy that can be used by the cell.

Down

1. A stack of membranes that collects, modifies, and packages chemical compounds.

2. A network of passageways in which chemical compounds are manufactured, processed, and transported.

3. A small structure that can store food (leucoplast) or pigment (chromoplast).

4. A small body in the nucleus where ribosomes are synthesized.

5. A double-layered membrane that surrounds the cell. Also called the plasma membrane, it regulates what enters and leaves the cell.

6. A small, sac-like package of nutrients, proteins, or water created by the Golgi apparatus. Types of vesicles include vacuoles and lysosomes.

7. An organelle that converts the radiant energy of the Sun into chemical energy through the process of photosynthesis.

12. A small sac, or vesicle, that contains digestive chemicals.

15. A type of vesicle that stores water, nutrients, and other chemicals. The large vacuole found in plant cells helps the cells maintain their shape.