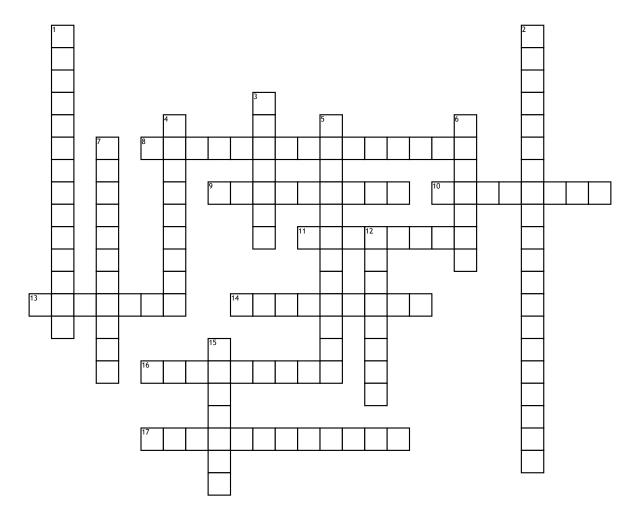
Cells - Crossword



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.