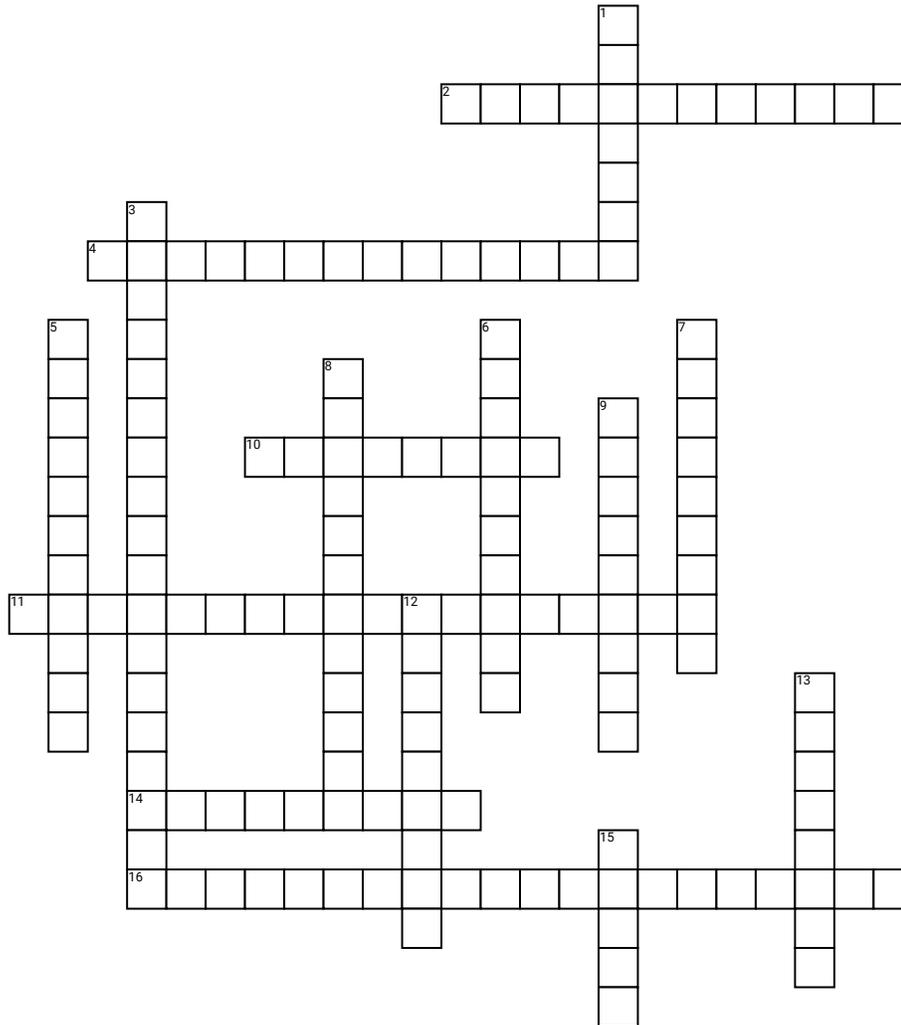


Cell Structures



Across

- 2.** Rod-shaped organelles that Convert energy in food molecules to energy the cell can use to carry out its functions; "powerhouses" of cell.
- 4.** Packages and distributes materials from ER.
- 10.** Rigid supporting layer that surrounds the cells of plants and some other organisms; protects and supports the cell.
- 11.** Provides image with greater resolution and high magnification.
- 14.** A tiny cell structure that carries out specific functions within a cell (tiny organs).

Word Bank

Chloroplast
Cell Wall
Cell Theory
Cytoplasm

Golgi Apparatus
Cells
Compound Microscope
Lysosomes

Nucleus
Cell Membrane
Mitochondria
Vacuoles

Organelle
Endoplasmic Reticulum
Ribosomes
Electron Microscope

- 16.** Helps make proteins and other substances.

Down

- 1.** Large oval organelle, contains the cell's DNA, and directs cells activities.
- 3.** An instrument that magnifies and image using two lenses.
- 5.** Organelle in the cells of plants that capture energy from sunlight and changes it to an energy form that cells can us in making food.
- 6.** Widely accepted explanation of the relationship between cells and living things.
- 7.** Break down food particles and worn out cell particles.

- 8.** Thin flexible barrier that surrounds cell and controls which substances pass into and out of a cell; forms border between the cell and the environment.
- 9.** Produce proteins needed by cell.
- 12.** Gel-like fluid fills most of cell; moves nutrients, proteins, and organelles within cell; made mostly of water and salt.
- 13.** A Sac-like organelle that stores water, food, and other materials.
- 15.** The basic unit of structure and function in living things.