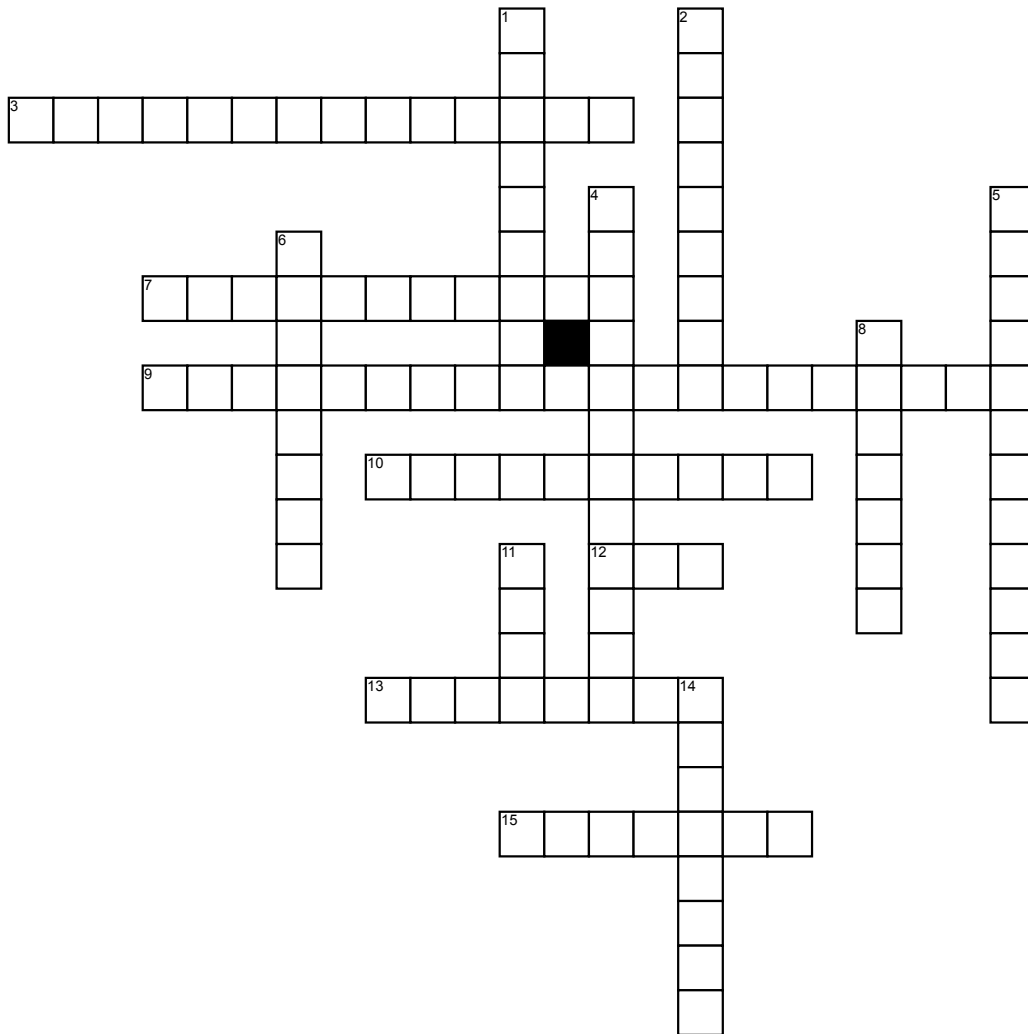


Lesson 2, Cell Parts



Across

- 3.** An organelle in a cell that receives proteins and other newly formed materials from the endoplasmic reticulum packages them, & distributes them to other parts of the cell
- 7.** An organelle in the cells of plants and some other organisms that captures energy from sunlight and changes it to an energy form that cells can use in making food
- 9.** An organelle that forms a maze of passageways in which proteins and other materials are carried from one part of the cell to another
- 10.** A threadlike structure within a cell's nucleus that contains DNA that is passed from one generation to the next

Word Bank

Cytoplasm
Cell
nucleus
Cell wall

ribosome
Vacuole
organelle
Cell membrane

Endoplasmic Reticulum
DNA
Golgi apparatus
Mitochondria

lysosome
Chloroplast
Chromosome

- 12.** Deoxyribonucleic acid; the genetic material that carries information about an organism & is passed from parent to offspring
- 13.** A rigid supporting layer that surrounds the cells of plants and some other organisms
- 15.** A sac-like organelle that stores water, food, and other materials

Down

- 1.** The thick fluid region of a cell located inside the cell membrane or between the cell membrane and nucleus
- 2.** A tiny cell structure that carries out a specific function within the cell

- 4.** Rod-shaped organelles that convert energy in food molecules to energy the cell can use to carry out its functions
- 5.** A thin, flexible barrier that surrounds a cell & controls which substances pass into and out of a cell
- 6.** A small grain-shaped organelle in the cytoplasm of a cell that produces proteins
- 8.** A large oval organelle that contains the cell's genetic material in the form of DNA and controls many of the cell's activities
- 11.** The basic unit of structure and function in living things
- 14.** A cell organelle which contains chemicals that break down large food particles into smaller ones & that can be used by the rest of the cell