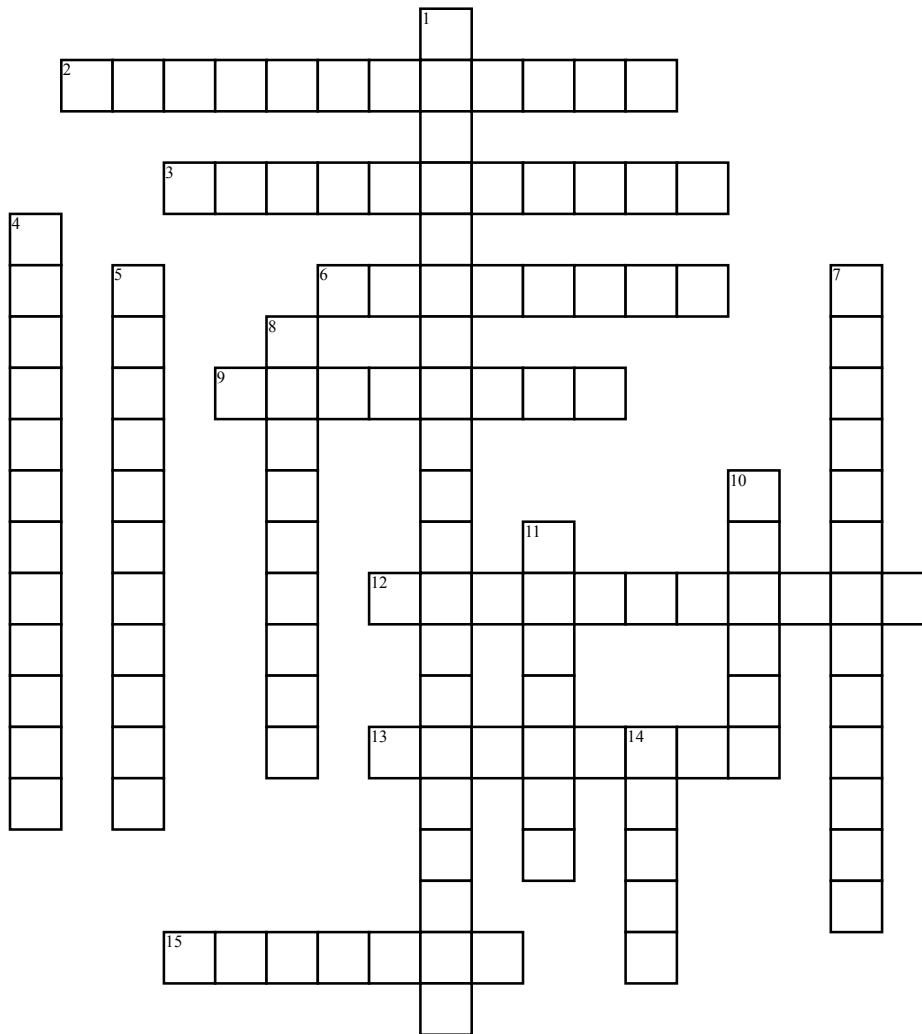


# Lesson 2: Looking Into Cells



**Across**

- 2. Rod-shaped organelles that convert energy in food molecules to energy the cell can use to carry out its functions
- 3. 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
- 6. A rigid supporting layer that surrounds the cell of plants and some other organisms
- 9. A cell organelle which contains chemicals that break down large food particles into smaller ones and that can be used by the rest of the cell

12. A group of organs that work together to perform a major function

13. A small grain-shaped organelle in the cytoplasm of a cell that produces proteins

15. In cells, a large oval organelle that contains the cell's genetic material in the form of DNA and controls many of the cell's activities

**Down**

1. An organelle that that forms a maze of passageways in which proteins and other materials are carried from one part of a cell to another

4. A thin, flexible barrier that surrounds a cell and controls which substances pass into and out of a cell.

5. Made of a single cell

7. Consisting of many cells

8. The thick fluid region of a cell located inside the cell membrane or between the cell membrane and nucleus

10. A group of similar cells that perform a specific function

11. A sac-like organelle that stores water, food, and other materials

14. A body structure that is composed of different kinds of tissues that work together

**Word Bank**

- |           |               |               |                       |
|-----------|---------------|---------------|-----------------------|
| Cytoplasm | Vacuole       | Chloroplast   | Organ System          |
| Tissue    | Organ         | Cell Membrane | Endoplasmic Reticulum |
| Ribosome  | Lysosome      | Nucleus       | Unicellular           |
| Cell Wall | Multicellular | Mitochondria  |                       |