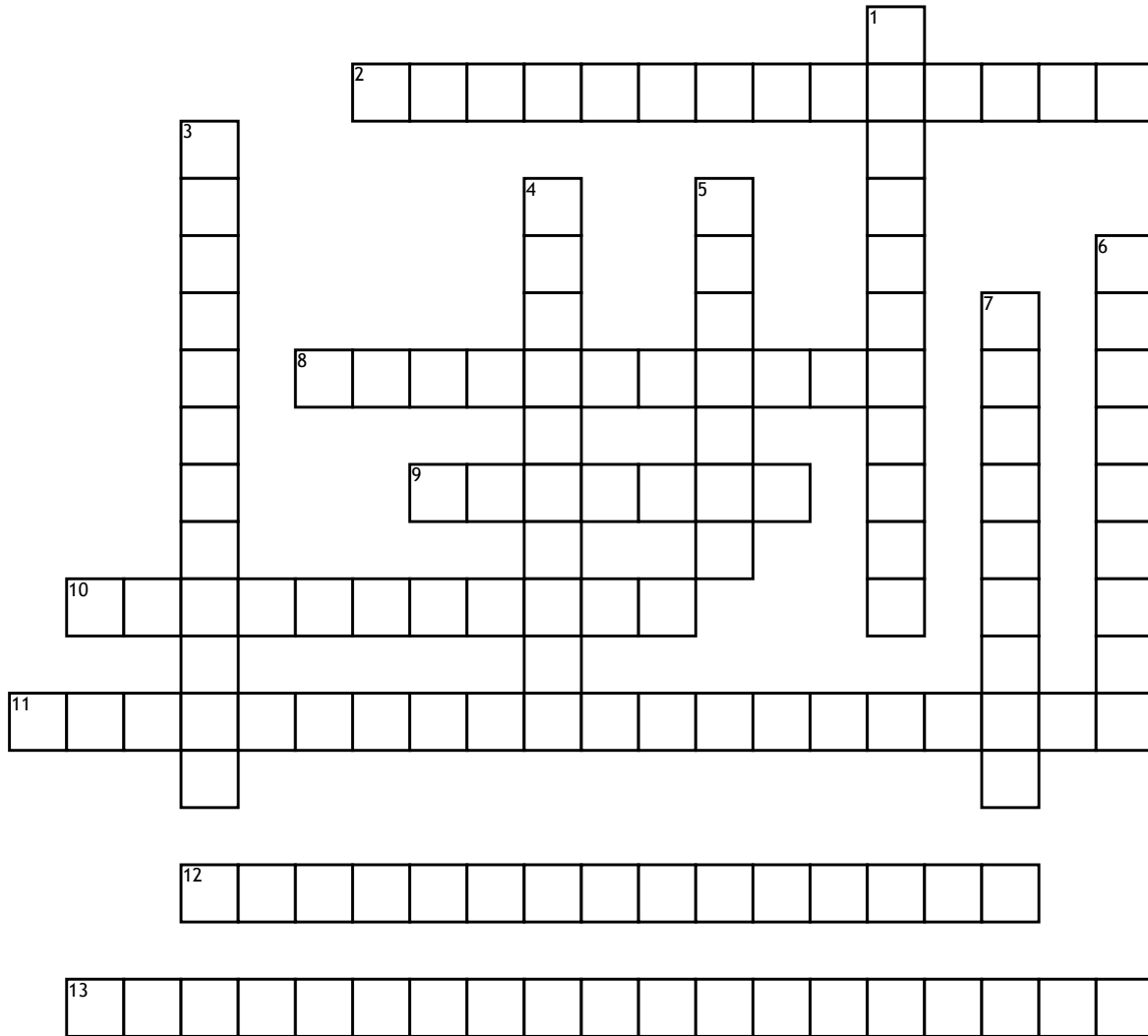


Chapter 4 vocabulary



Across

2. The process by which plants, algae, and some bacteria use sunlight, carbon dioxide, and water to make food.

8. The process by which a cell membrane surrounds a particle and encloses the particle in a vesicle to bring the particle into the cell.

9. In eukaryotic cells, a process of cell division that forms two nuclei, each of which has the same number of chromosomes.

10. The division of the cytoplasm of a cell.

11. Chromosomes that have the same sequence of genes and the same structure.

12. The movement of substances across the cell membrane that requires the cell to use energy.

13. The process by which cells use oxygen to produce energy from food.

Down

1. In eukaryotic cell, one of the structures in the nucleus that are made up of DNA and protein; in a prokaryotic cell, the main ring of DNA.

3. The breakdown of food without the use of oxygen.

4. The process in which a cell releases a particle by enclosing the particle in a vesicle that then moves to the cell surface and fuses with the cell membrane.

5. The diffusion of water through a semipermeable membrane.

6. The life cycle of a cell.

7. The movement of particles from regions of higher density to regions of lower density.