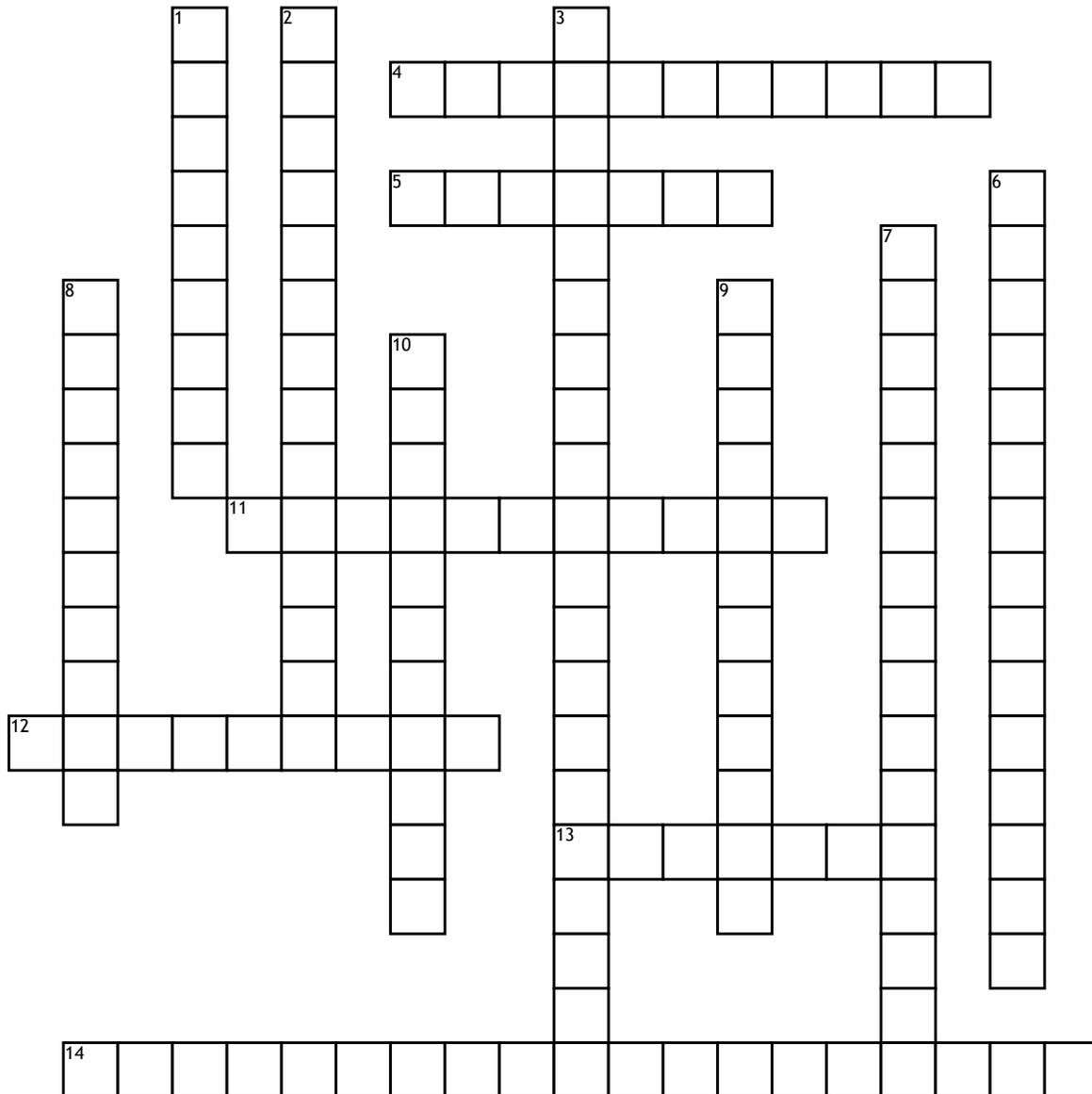


chapter 4 vocabulary



Across

4. The division of the cytoplasm of a cell.

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

11. 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.

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

13. The diffusion of water through a semipermeable membrane.

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

Down

1. The life cycle of a cell

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

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

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

7. The movement of substances across a cell membrane without the use of energy by the cell.

8. 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.

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

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