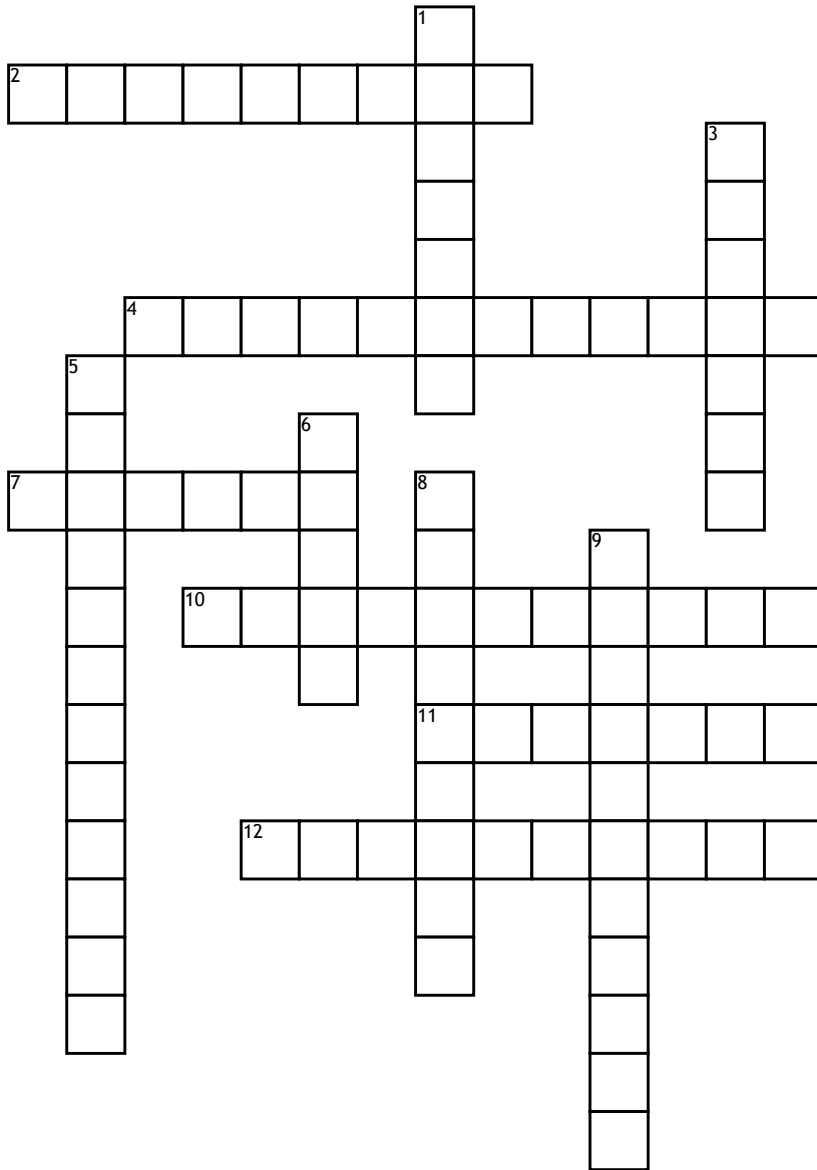


# Photosynthesis and Cellular Respiration



## Across

2. A process that does not require oxygen.
4. The process by which cells break down organic molecules to release energy, without using oxygen.
7. Thick fluid contained in the inner membrane of a chloroplast.
10. Large protein that uses energy from H<sup>+</sup> ions to bind ADP and a phosphate group together to produce ATP.

11. A process that requires oxygen.

12. Organisms that are able to make their own food.

## Down

1. A colored chemical compound that absorbs light, producing color.
3. A unit of the energy supplied by food.
5. Organisms that cannot make their own food.

6. Electron carrier that provides high-energy electrons for photosynthesis.

8. Disk-shaped sac in the stroma of a chloroplast; site of the light reactions of photosynthesis.

9. A green pigment that is present in most plant cells, that gives plants their characteristic green color, and that reacts with sunlight, carbon dioxide, and water to form carbohydrates.