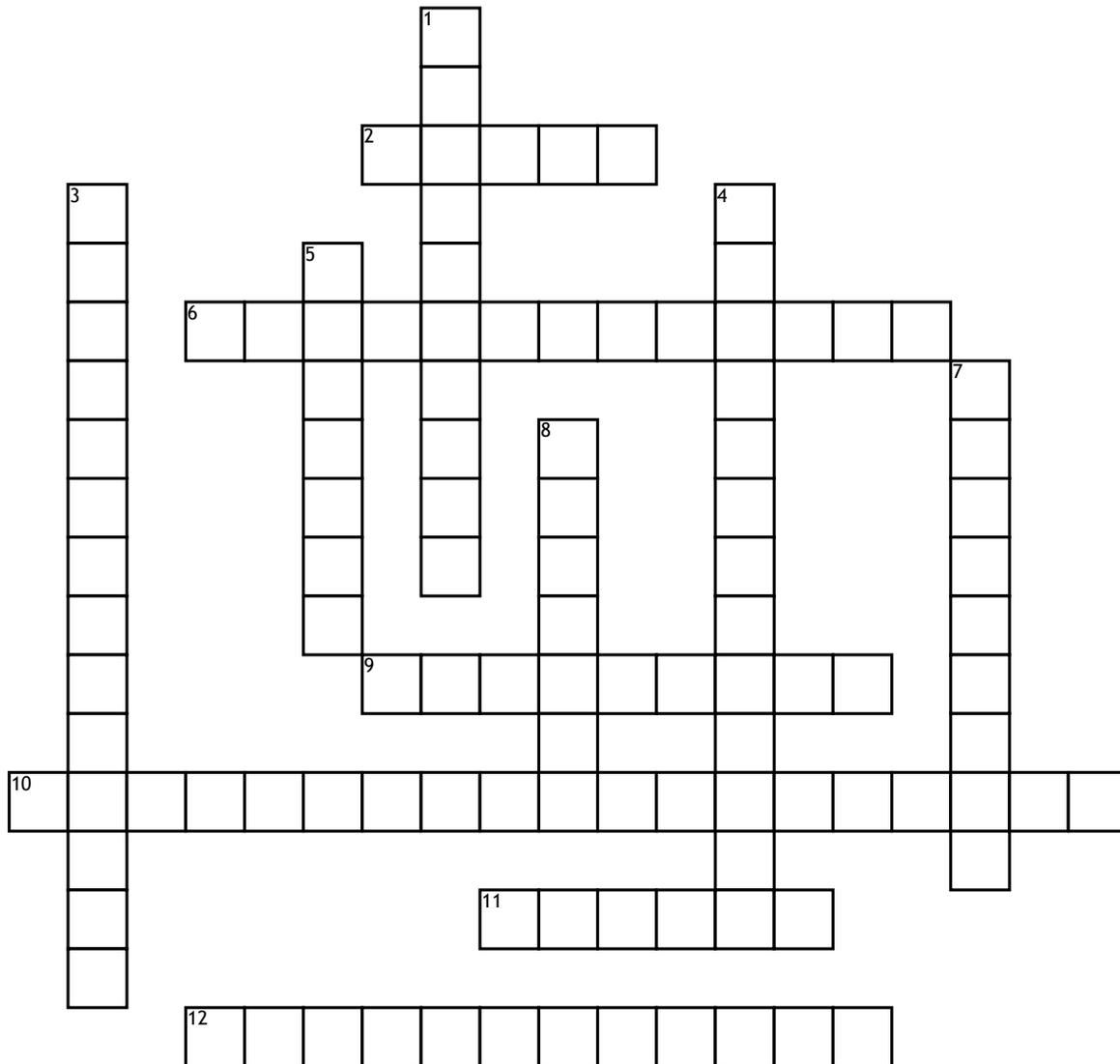


# Photosynthesis and Cellular Respiration



## Across

2. The liquid that is one of the materials in photosynthesis and one of the products of cellular respiration.

6. an organelle found in large numbers in most cells, in which the biochemical processes of respiration and energy production occur.

9. an organism that is able to form nutritional organic substances from simple inorganic substances such as carbon dioxide.

10. The series of metabolic processes by which living cells produce energy through the oxidation of organic substances.

11. A gas that is a products of photosynthesis and a material in cellular respiration.

12. The plastids that contains chlorophyll and in which photosynthesis takes place.

## Down

1. specialized cells in the epidermis of leaves, stems and other organs that are used to control gas exchange.

3. the process by which green plants and some other organisms use sunlight to synthesize foods from carbon dioxide and water.

4. The gas used in photosynthesis and one of the products of cellular respiration.

5. The openings in the leaf that allow gases in and out of the leaf.

7. single-layer of cells that covers the leaf.

8. The compound that is created by photosynthesis and is necessary for cellular respiration.