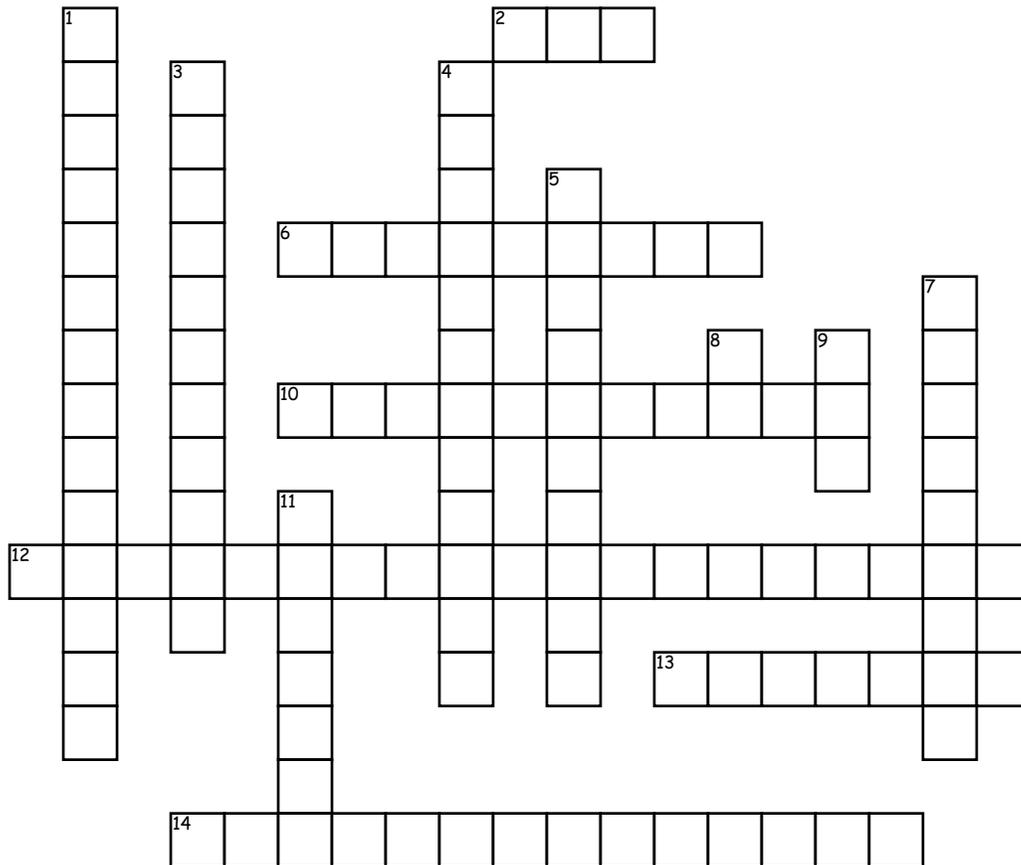


# Photosynthesis Vocabulary



## Across

2. What is the main source of energy on Earth?

6. What is a jelly-like substance composed mainly of water and found between the cell membrane and the nucleus?

10. What is an organelle found in the cells of plants and algae that contains chlorophyll and is the site of photosynthesis?

12. What is a process by which energy is released from food?

13. What is a chemical process in which oxygen is used?

14. What is energy that is released or absorbed in chemical reactions?

## Down

1. What is the process by which light energy is used to combine water and carbon dioxide into glucose and oxygen?

3. What is a green pigment inside chloroplasts that converts light energy into a chemical form the plant can use?

4. What is the powerhouse of the cell? This is also the site for aerobic respiration.

5. What is a process by which glucose is partially broken down into pyruvic acid without the use of oxygen?

7. What is a chemical process that does not use oxygen?

8. Symbol for the element Calcium (look on the periodic table)

9. What is adenosine triphosphate, a molecule that provides energy for cellular processes?

11. What is a simple sugar that serves as the major energy source for all cellular processes?

## Word Bank

Anaerobic

Chemical Energy

Glycolysis

Glucose

Cytoplasm

Chloroplast

Ca

Mitochondria

Cellular respiration

ATP

Sun

Photosynthesis

Chlorophyll

Aerobic