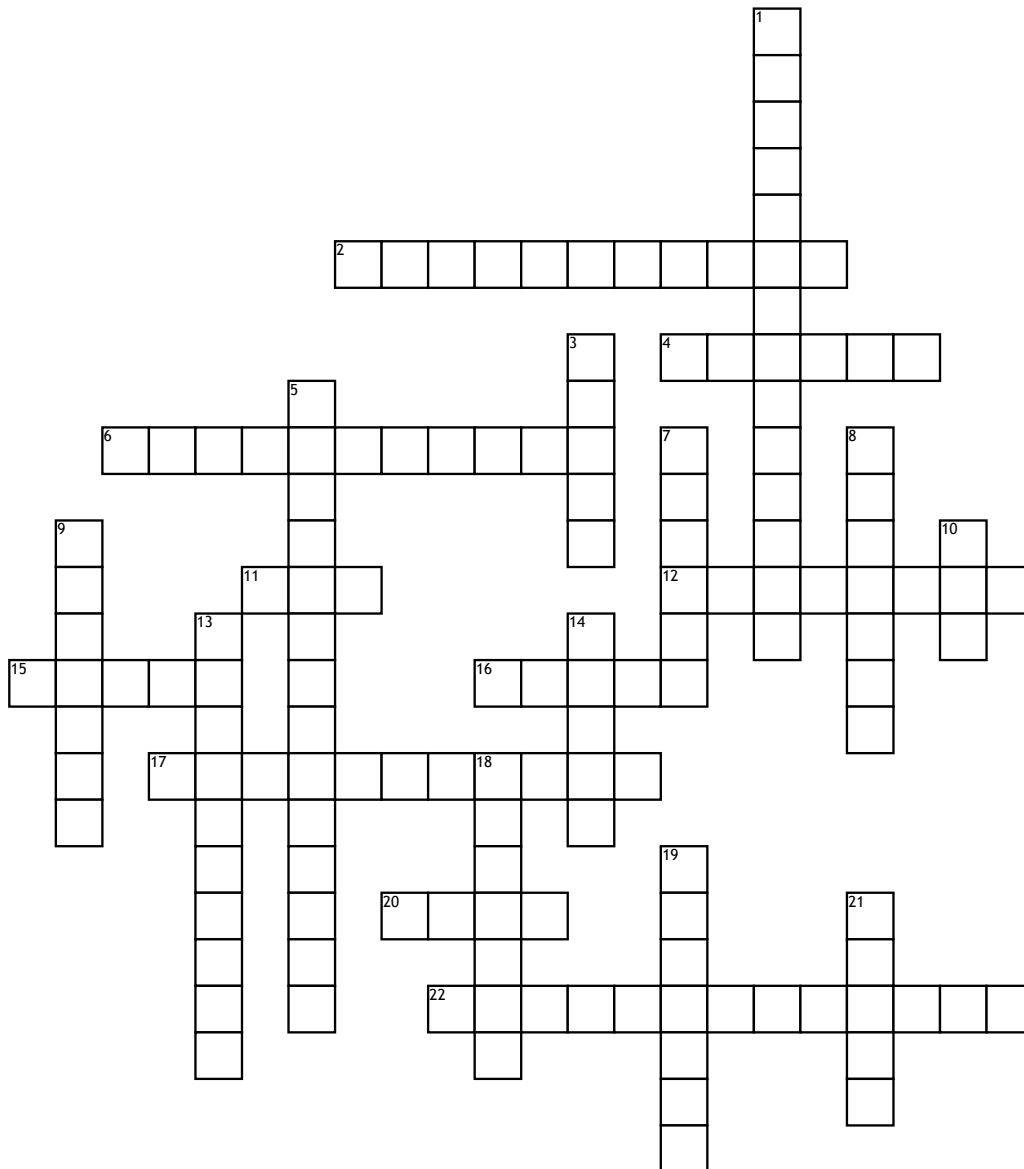


# Photosynthesis



## Across

2. Where light dependent reactions and the Calvin cycle occurs within the cell.
4. \_\_\_\_ wavelengths have smaller energy.
6. Fixation of inorganic carbon from carbon dioxide into organic molecules of glucose.
11. Photosystem II makes \_\_\_\_.
12. Water is \_\_\_\_\_ during photosynthesis.
15. Every color is absorbed except\_\_\_\_\_, for it is reflected.
16. Where the light reactions occur.

17. Eats other organisms in order to obtain their energy.

20. The color that is represented at wavelengths of 400-500nm.

22. What is an inhibitor to photosynthesis?

## Down

1. Process by which autotrophs make their own food using the solar energy.

3. The color that is represented at wavelengths of 500-600.

5. Reactions in which organic molecules are made from the energy captured from the sun.

7. Where the Calvin cycle occurs.

8. Enzyme that catalyzes the addition of carbon dioxide to the 5 carbon sugar ribulose biphosphate.

9. \_\_\_\_ wavelengths have high energy.

10. The color that is represented at wavelengths of 600-700.

13. Photosynthesis is a \_\_\_\_\_ reaction because it requires energy.

14. Photosystem I makes \_\_\_\_.

18. Carbon dioxide is \_\_\_\_\_ during photosynthesis.

19. Site at which gases are allowed to enter and leave on a leaf.

21. How many times must the Calvin cycle spin?