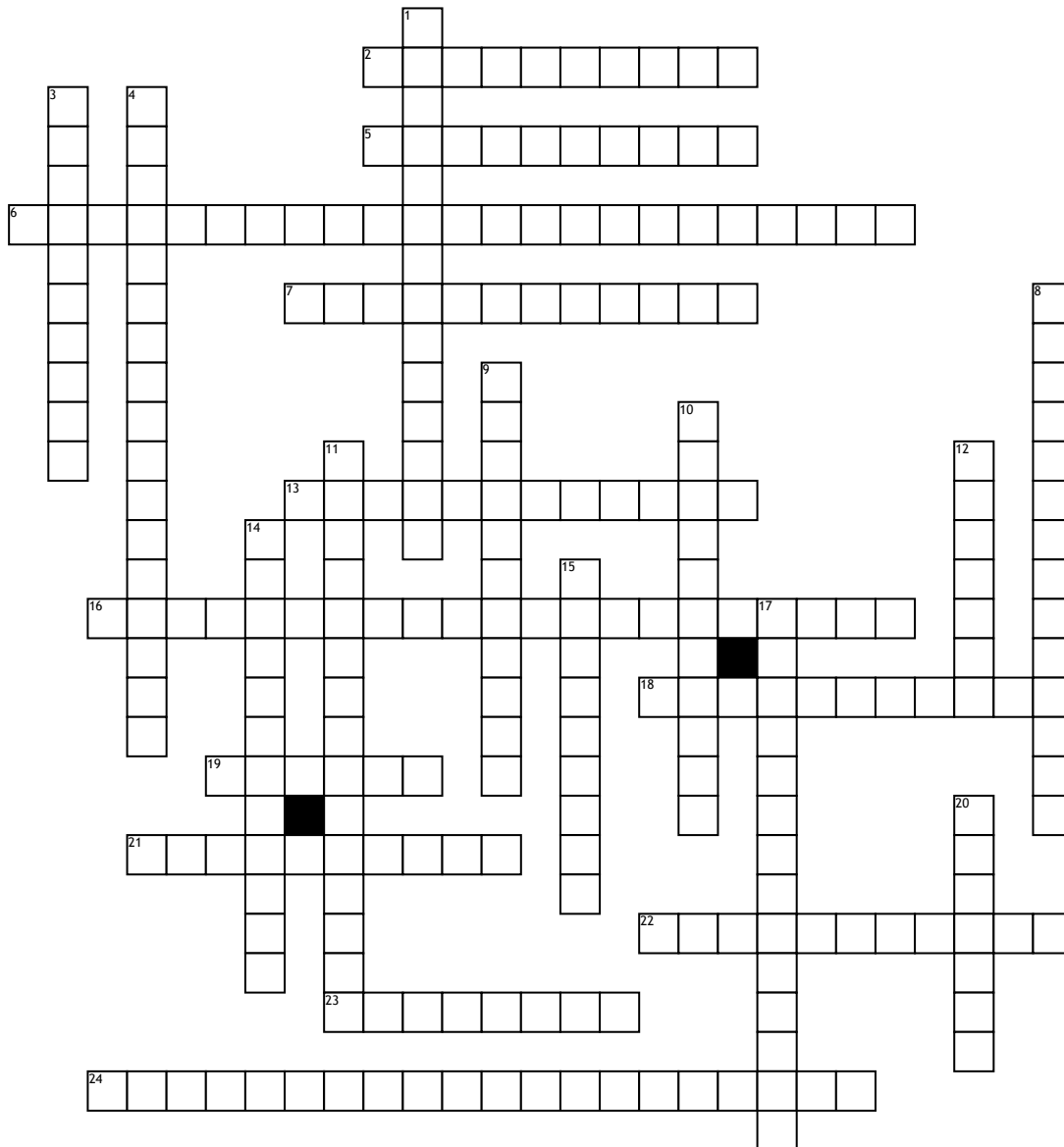


Photosynthesis



Across

2. A form of energy that exhibits wave like behavior as it travels through space
 5. The storing of energy without it being reflected.
 6. the entire range of electromagnetic wave frequencies
 7. electromagnetic waves that are visible to the human eye
 13. the main photosynthetic pigment
 16. omplex of several proteins, pigments and other co-factors that together execute the primary energy conversion reactions of photosynthesis
 18. The site of photosynthesis
 19. Colorless fluid found within chloroplast
 21. Organisms that make their own food

22. cluster of pigments in thylakoid membranes

23. a band of colors, as seen in a rainbow, produced by separation of the components of light by their different degrees of refraction according to wavelength.

24. The light reactions of photosynthesis

Down

1. The incorporation of carbon dioxide into organic compounds
 3. Membranous system in the chloroplast that takes the form of flattened, interconnected sacs
 4. An instrument that measures the proportions of light of different wavelengths absorbed and transmitted by a pigment solution.

8. a graph that shows the rate of photosynthesis at different wavelengths of light

9. yellow, orange, and red pigments synthesized by plants.

10. Green substance in plants

11. Synthesize food through the use of light energy

12. Tiny pores on the surface of the plant

14. Organism that obtains food by consuming other living things

15. Inner tissue of a leaf; contains chloroplasts

17. a process used by autotrophs that captures sunlight and converts it into usable energy for these autotrophic organisms.

20. A quantum of energy in the form of electromagnetic radiation