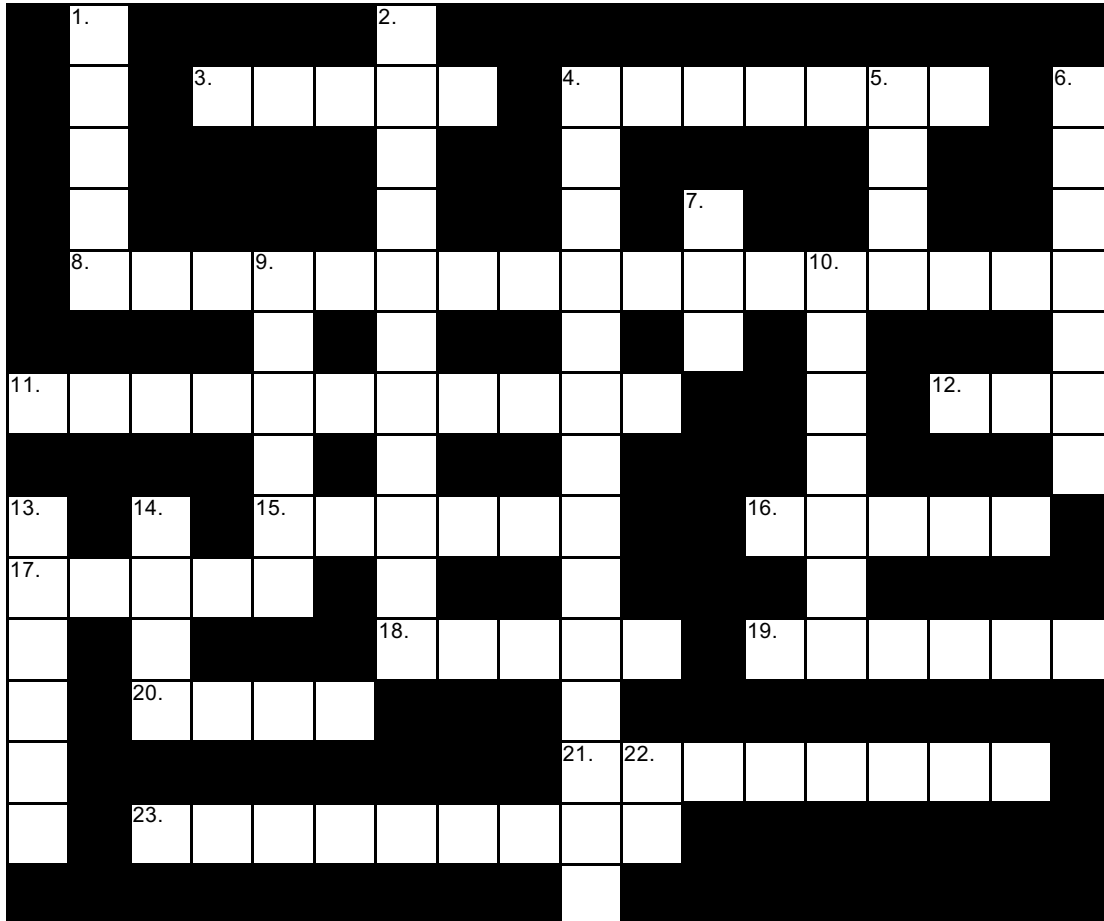


Crossword Puzzle: *Photosynthesis*



ACROSS

3. When CAM plants have their stomata open.
4. Chlorophyll or carotenoid is example of this.
8. _____ Chain: moves electrons from protein to protein, creates proton gradient.
11. Plant organelle where photosynthesis occurs.
12. Where light for photosynthesis comes from.
15. Gas molecules given off by plants.
16. Source of electrons for photosynthesis ETC.
17. Color absorbed poorly by chlorophylls a & b.
18. Necessary ingredient for photosynthesis.
19. _____ Cycle: usual path for carbon fixation.
20. Season when you see more carotenoids than chlorophyll.
21. All the colors of light from violet to red.
23. Photosynthesis ETC happens on this membrane.

DOWN

1. *Very* colorful family of trees in the fall.
2. Pigment used by plants in photosynthesis.
4. Process of making molecules using light for energy.
5. Final electron acceptor in photosynthesis ETC.
6. These are pumped across the thylakoid membrane. Their gradient drives ATP production.
7. Alternate pathway to Calvin Cycle.
9. Carbon source for plants: _____ dioxide.
10. Pores/openings in plant that let gases and water in and out of plant.
13. While this lizard *is* green, it doesn't use photosynthesis.
14. Part of plant where most photosynthesis occurs.
22. NY__ : New York Police Dept.