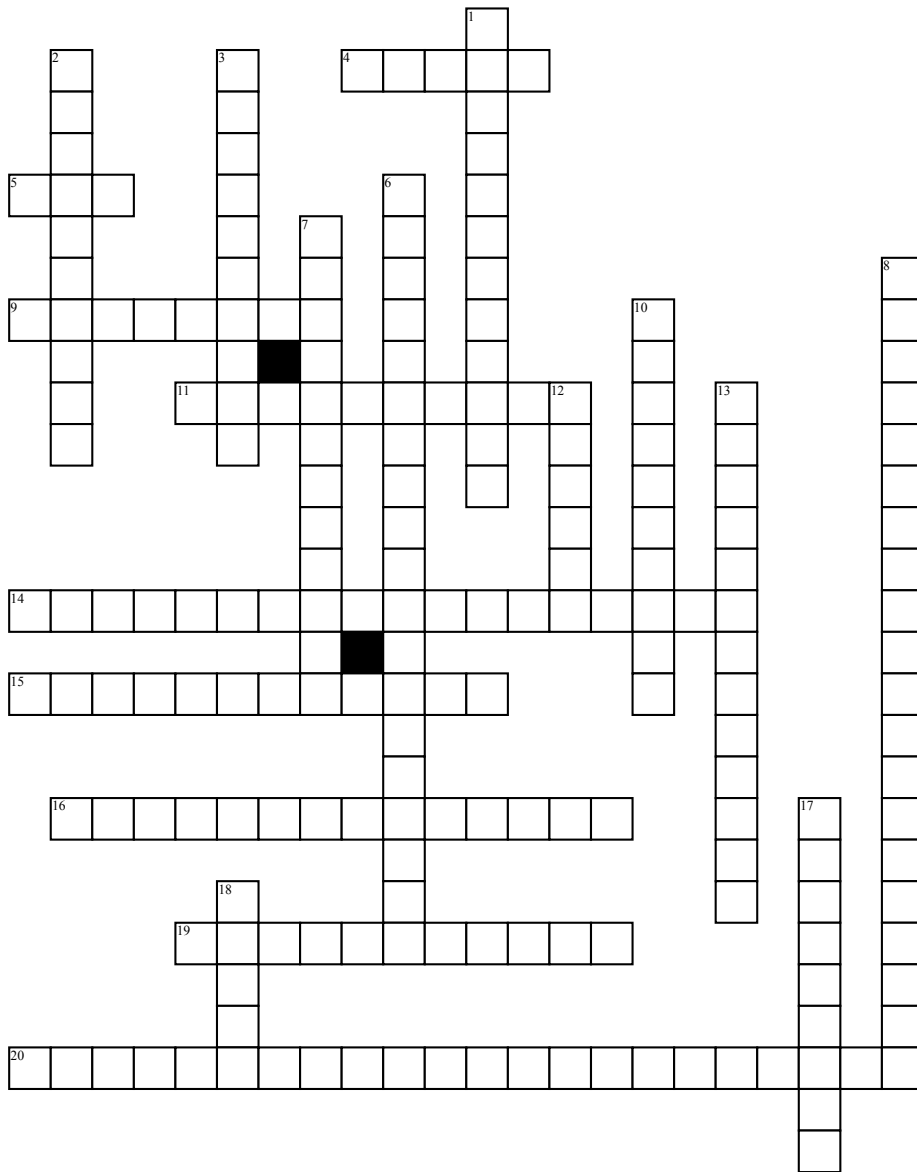


# Photosynthesis and Cellular Respiration



**Across**

- 4. A reactant of photosynthesis
- 5. Usable form of energy
- 9. An effect that enzymes can have on substrates
- 11. Glucose is broken down into smaller molecules in this process
- 14. Requires oxygen
- 15. How cells obtain energy without oxygen
- 16. The process that makes glucose

19. Also called the light independent reaction

20. The 3rd step of respiration; takes place in the inner membrane of the mitochondria

**Down**

- 1. Where photosynthesis occurs
- 2. A type of fermentation; product is made during strenuous activity
- 3. Also called the Citric Acid cycle; the 2nd step of respiration

6. This process changes food energy into energy that cells can use

7. Where cellular respiration occurs

8. An example is fermentation

10. Where the light dependent reaction takes place

12. Where the light independent reaction takes place

13. A product of respiration

17. Where glycolysis occurs

18. Released as a waste product in respiration