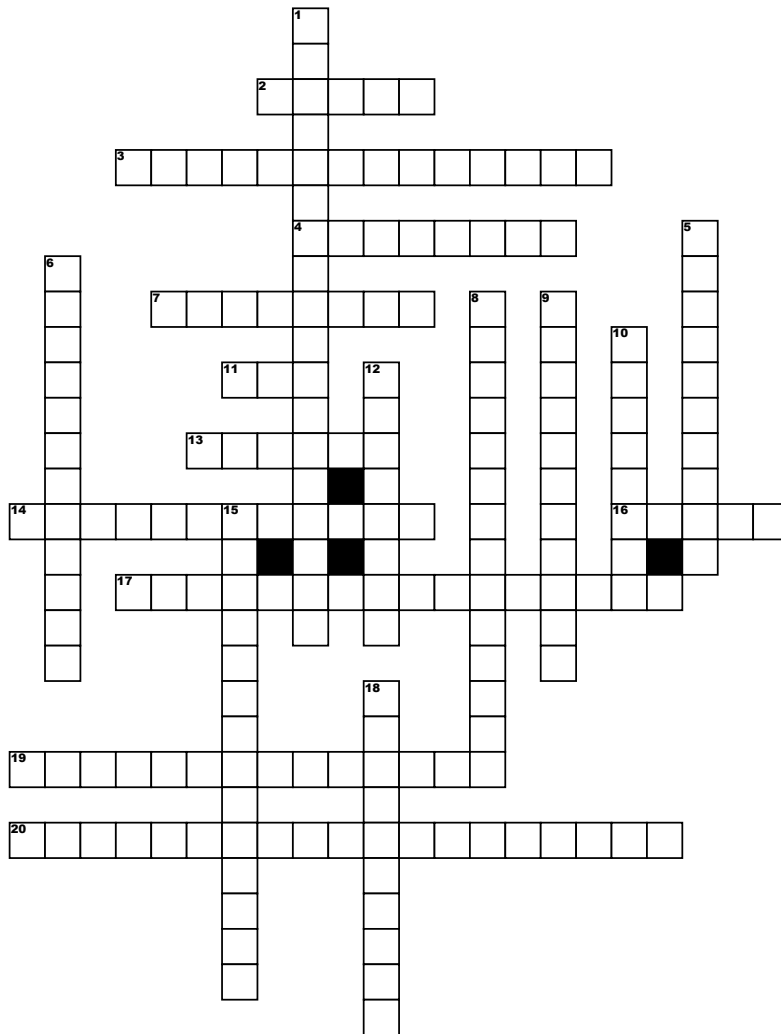


Photosynthesis & Cellular Respiration



Across

- 2. the stacks in Thylakoids
- 3. a type of bacterium that is a photosynthetic autotroph
- 4. an example of a pineapple is a..
- 7. light-absorbing colored molecules
- 11. the most important biological molecule that provides chemical energy
- 13. can't be destroyed, but can be transferred
- 14. occurs in the cytoplasm and regenerates the cell's supply of NAD+

- 16. transfers the electron to the electron carrier
 - 17. doesn't require oxygen
 - 19. anabolic and transfers light energy from the sun to convert chemical energy for cells
 - 20. a catabolic pathway that organic molecules are broken down for use by a cell
- Down**
- 1. its an aerobic process
 - 5. flattened, saclike membranes that are arranged in stacks.
 - 6. might work in a medical research to find new treatments for diseases

- 8. requires oxygen
- 9. the second phase of photosynthesis
- 10. a pathway that maintains photosynthesis while minimizing water loss
- 12. glucose is broken down in the cytoplasm because of this process
- 15. the study of flow and transformation of the universe
- 18. also known as the citric acid cycle

Word Bank

- | | | | |
|-------------------|---------------------|-----------------|----------------------|
| Thermodynamics | NADP+ | Krebs cycle | Photosynthesis |
| anaerobic process | fermentation | Grana | CAM Plant |
| ATP | Aerobic respiration | Phytochemist | cyanobacterium |
| Thylakoids | pigments | Calvin Cycle | C4 plants |
| energy | glycolysis | Aerobic process | Cellular respiration |