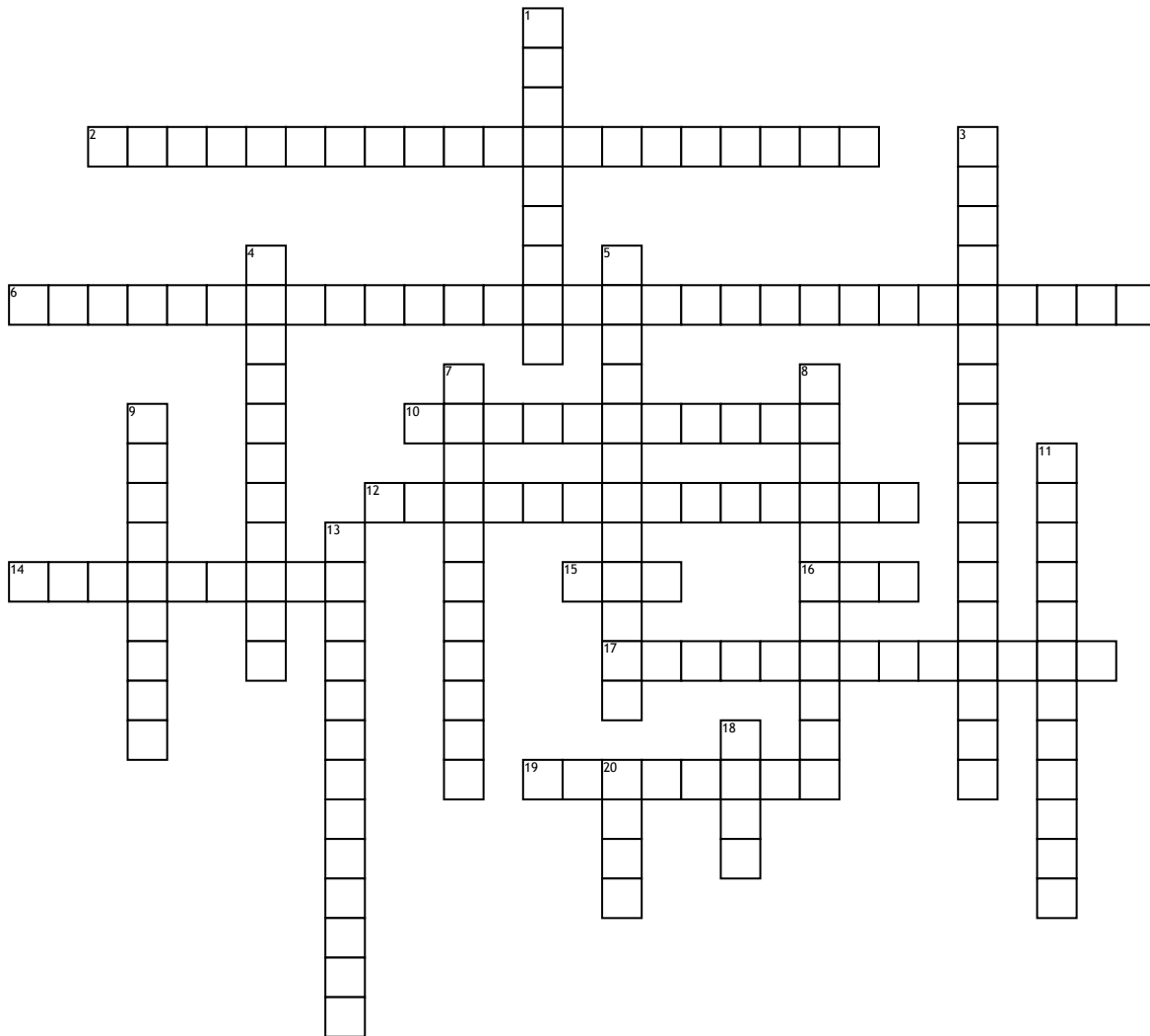


# Photosynthesis Respiration



**Across**

- 2. Primary method of ATP production in plant cells
- 6. Enzymatic production of ATP
- 10. Organelle where photosynthesis occurs
- 12. Metabolic pathway that produces Glucose
- 14. Crossroads compound
- 15. molecule that is the primary short term energy carrier
- 16. Electron carrier in respiration

17. Organelle that is the site of Krebs Cycle

19. Endproduct of glycolysis

**Down**

- 1. Cells that contain chloroplasts
- 3. location of light reactions in photosynthesis
- 4. Reactions that produce G3P
- 5. responsible for splitting water molecules to produce oxygen
- 7. primary photosynthetic pigment

8. Membrane protein that converts ADP to ATP

9. number of ATP produced by aerobic respiration

- 11. process that uses a gradient to produce ATP
- 13. six of these molecules are required to build a glucose
- 18. Electron carrier in photosynthesis
- 20. Carrier molecule in the Calvin Cycle