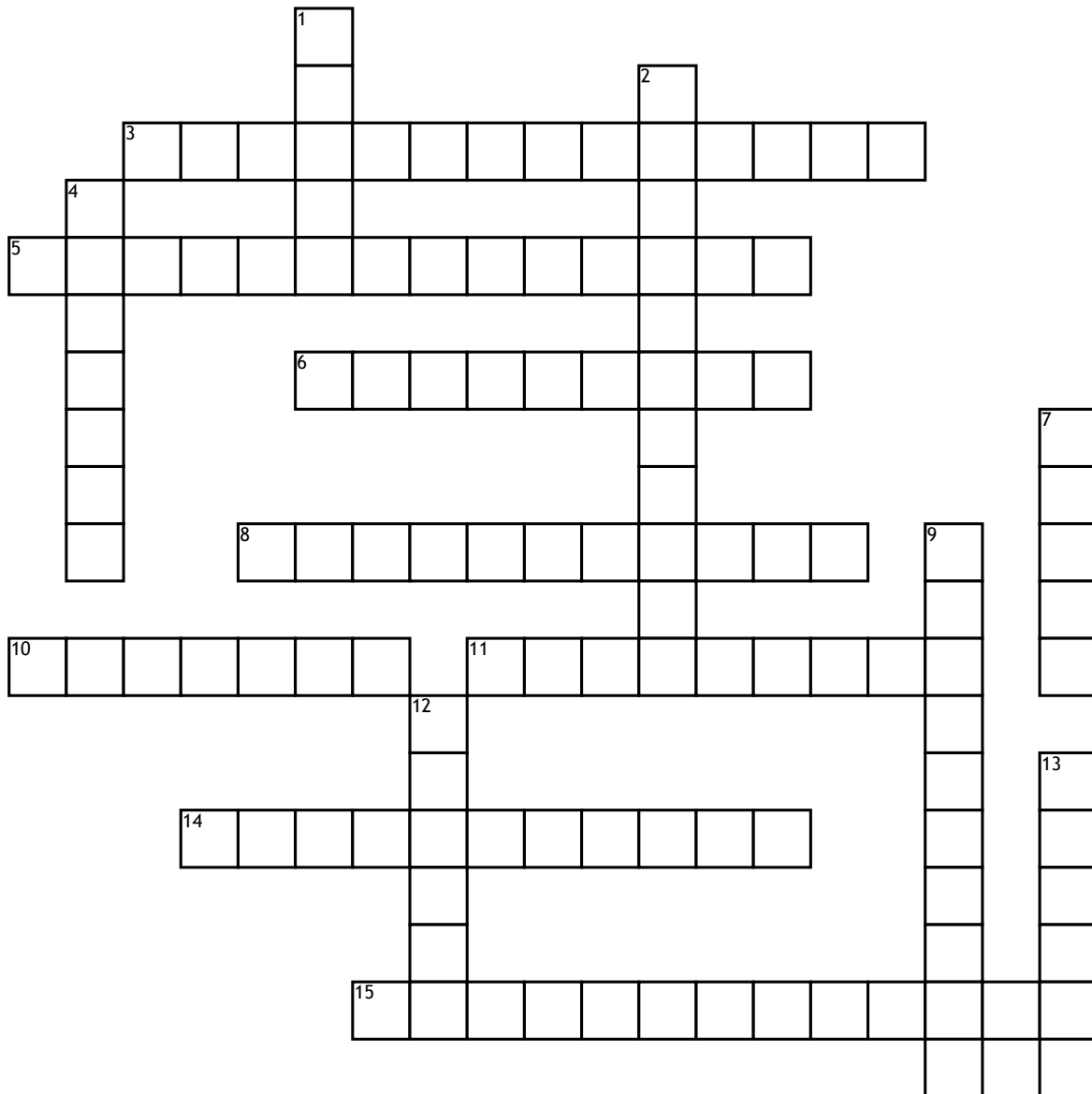


Cellular Energy Choice Board



Across

3. process by which light energy is converted to chemical energy; produces sugar and oxygen from carbon dioxide in water.

5. reactions of photosynthesis that use energy from light to produce ATP and NADPH

6. Organism that obtains its energy from sunlight or inorganic chemicals

8. Process by which a photosynthetic organism uses energy to synthesize simple sugars from CO₂

10. A simple sugar that is an important source of energy.

11. a membrane system found within chloroplasts that contains the components for photosynthesis

14. Organism that obtains its energy and nutrients by consuming other organisms

15. A reactant of photosynthesis that helps produce glucose

Down

1. H₂O

2. Light-absorbing pigment molecule in photosynthetic organisms

4. Light-absorbing molecule

7. electron carrier that provides high-energy electrons for photosynthesis

9. A chemical reaction that requires the input of energy in order to proceed.

12. fluid portion of the chloroplast; outside of the thylakoids

13. O₂