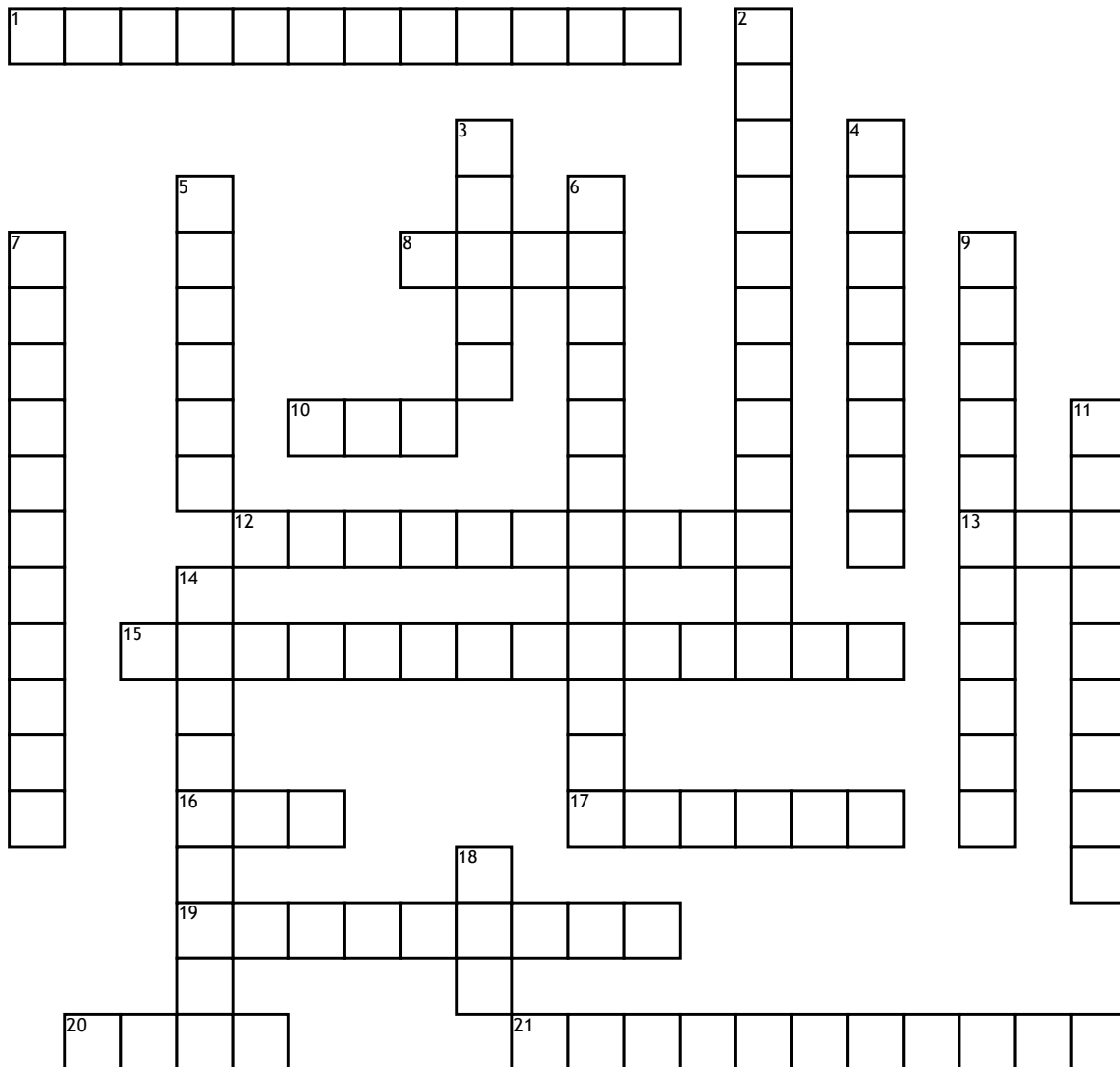


Photosynthesis Crossword



Across

1. The primary light absorbing pigment
8. Reduced form of NAD+
10. Glyceraldehyde 3-phosphate
12. The breakdown of water by photons
13. Nicotinamide Adenine Dinucleotide
15. Process by which non-photosynthetic organisms convert inorganic chemicals to organic compounds without solar energy
16. Abbreviation of adenosine triphosphate
17. The protein-rich semiliquid material in the interior of a chloroplast

19. Reaction in which an atom or molecule loses electrons
20. Nicotinamide Adenine Dinucleotide Phosphate
21. Any of a class of mainly yellow, orange, or red fat-soluble pigments which give color to plants

Down

2. Photosynthetic membranes of organelles that contain chlorophyll
3. Stack of thylakoids
4. Groups of unstacked thylakoids between grana
5. A packet of light
6. A cluster of photosynthetic pigments embedded in the thylakoid membrane

7. The light absorbing green coloured pigment that begins the process of photosynthesis
9. A cyclic set of reactions occurring in the stroma of chloroplasts that fixes the carbon of CO₂ into carbohydrate molecules and recycles coenzymes
11. A reaction in which an atom or molecule gains electrons
14. A system of interconnected flattened membrane sacs forming a separate compartment within the stroma of a chloroplast
18. Electron Transport Chain