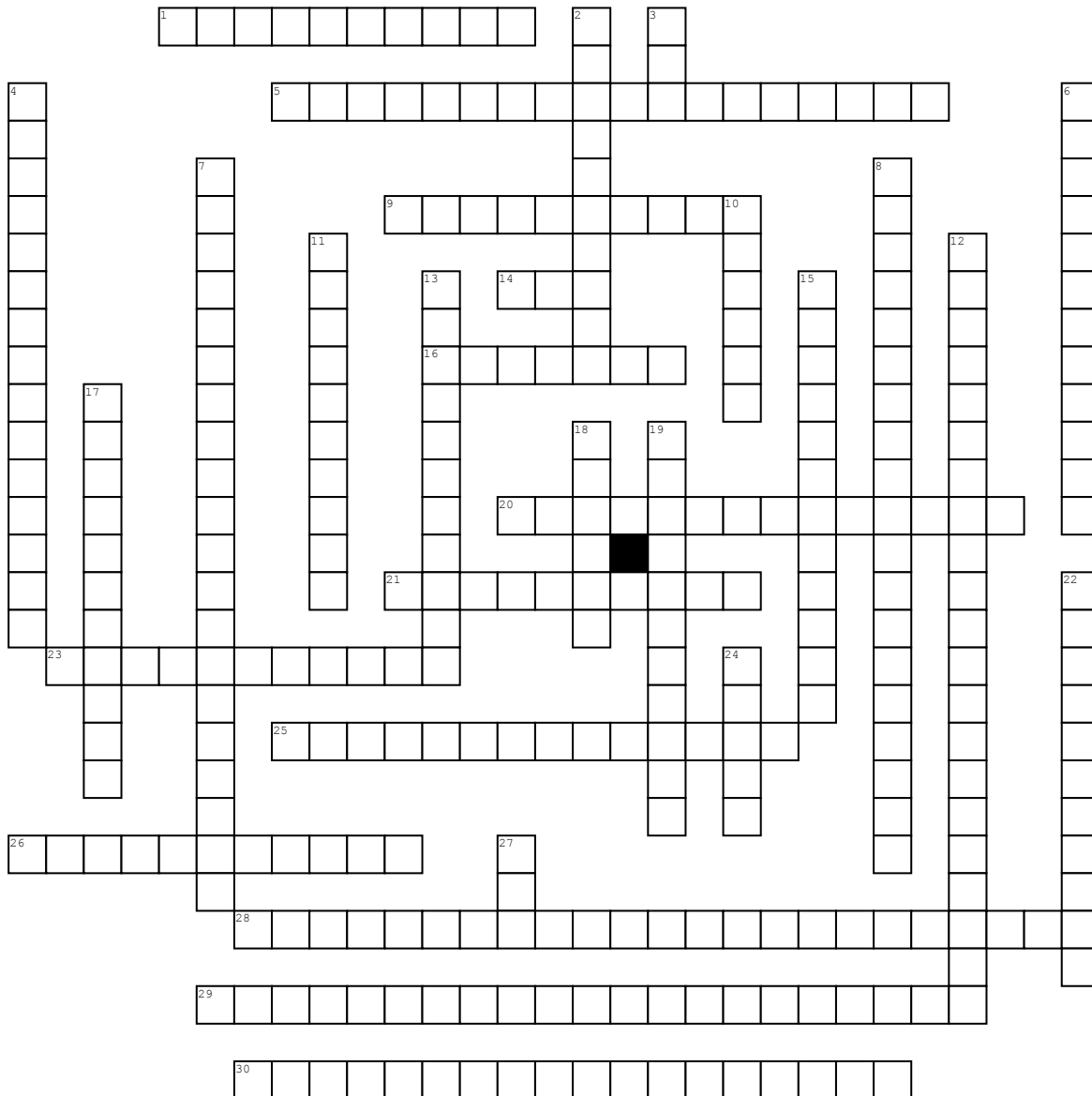


Name: _____

Date: _____

Bioenergetics



Across

1. Where oxygen is produced in the chloroplast.
5. Cellular respiration that requires oxygen.
9. Causes the stoma to open and close.
14. The third stage of cellular respiration.
16. A natural compound that gives color to plants.
20. When light energy is converted to chemical energy stored as glucose.
21. Plant pigment responsible for yellow, red, orange colors.
23. Also known as light independent reactions. 2nd stage of photosynthesis.
25. Converting CO₂ into glucose by photosynthesis.
26. The green light absorbing pigment in the chloroplast.
28. The first stage of photosynthesis that occurs in thylakoid membranes.

29. Anaerobic respiration in muscle cells.
30. Sequence of biochemical reactions that occur in all living cells.

Down

2. The second stage of cellular respiration. Produces 2 ATP.
3. The form of energy synthesized in mitochondria during cellular respiration.
4. Another name for krebs cycle.
6. The organelle where cellular respiration takes place.
7. Process that doesn't require oxygen.
8. When glucose is converted to ATP in the mitochondria.
10. Where the calvin cycle takes place.
11. The stage of photosynthesis that occurs in the cytoplasm.
12. Anaerobic respiration that occurs in bacteria.
13. The enzyme added to ADP to make ATP.

15. Another name for anaerobic respiration.
17. What glucose is converted to in glycolysis.
18. The part of the plant that transports sugars.
19. The mechanism in plants where chlorophyll absorb energy from the sun.
22. The organelle where photosynthesis takes place.
24. The pores on a leaf that allow CO₂ and O₂ in and out of plants.
27. Lower energy molecule that can be converted to ATP by added a phosphate group.