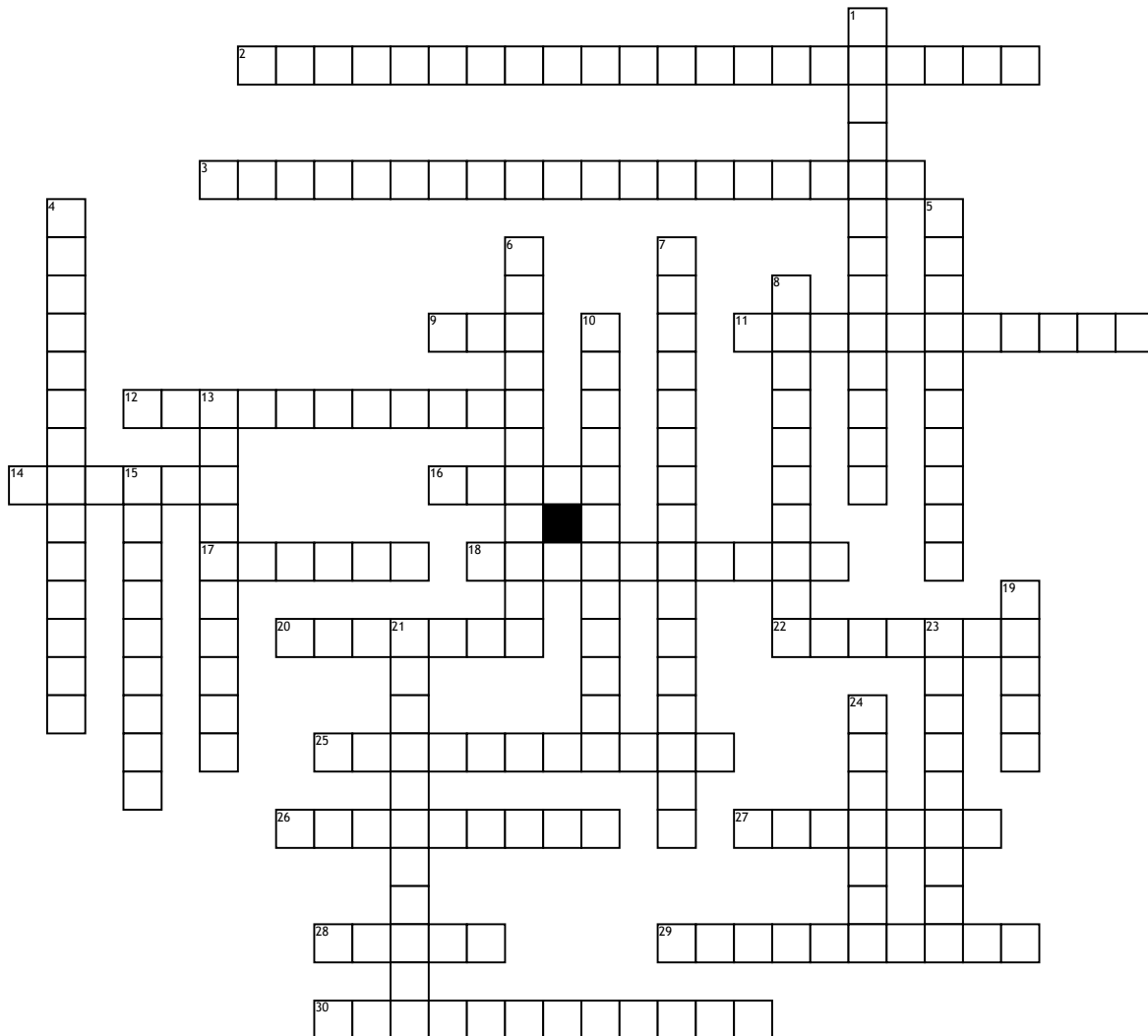


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Photosynthesis & Cellular respiration



## Across

2. type of respiration without oxygen used by organisms such as yeast
3. The opposition of photosynthesis
9. Adenosine triphosphate
11. Absorbs light energy, pigment that it's green color
12. Energy used by plants to produce their own food
14. Ability to do work
16. H<sub>2</sub>O
17. O<sub>2</sub>
18. Too much exercise and not enough oxygen can cause
20. C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>
22. tiny holes in the leaves where carbon dioxide and oxygen enter and exit

25. Light collecting units of the chloroplast

26. Place where cells perform glycolysis
27. Fermentation with yeast makes
28. Thylakoids are stacked=
29. takes glycolysis to produce carbon dioxide and high energy electrons
30. Organelle found in all organisms that is the site of aerobic cellular respiration

## Down

1. CO<sub>2</sub>
4. Makes glucose from sunlight
5. Organisms that use light energy from the sun to produce food
6. protein that uses energy from H<sup>+</sup> to form ATP and ADP
7. Carry the high energy electrons

8. Chloroplasts contain sac like structures called

10. Obtain energy from the foods they consume
13. Step on in cellular respiration-split glucose
15. The starting material in a chemical reaction
19. NADP<sup>+</sup> becomes
21. green pigment
23. Respiration without oxygen
24. with oxygen