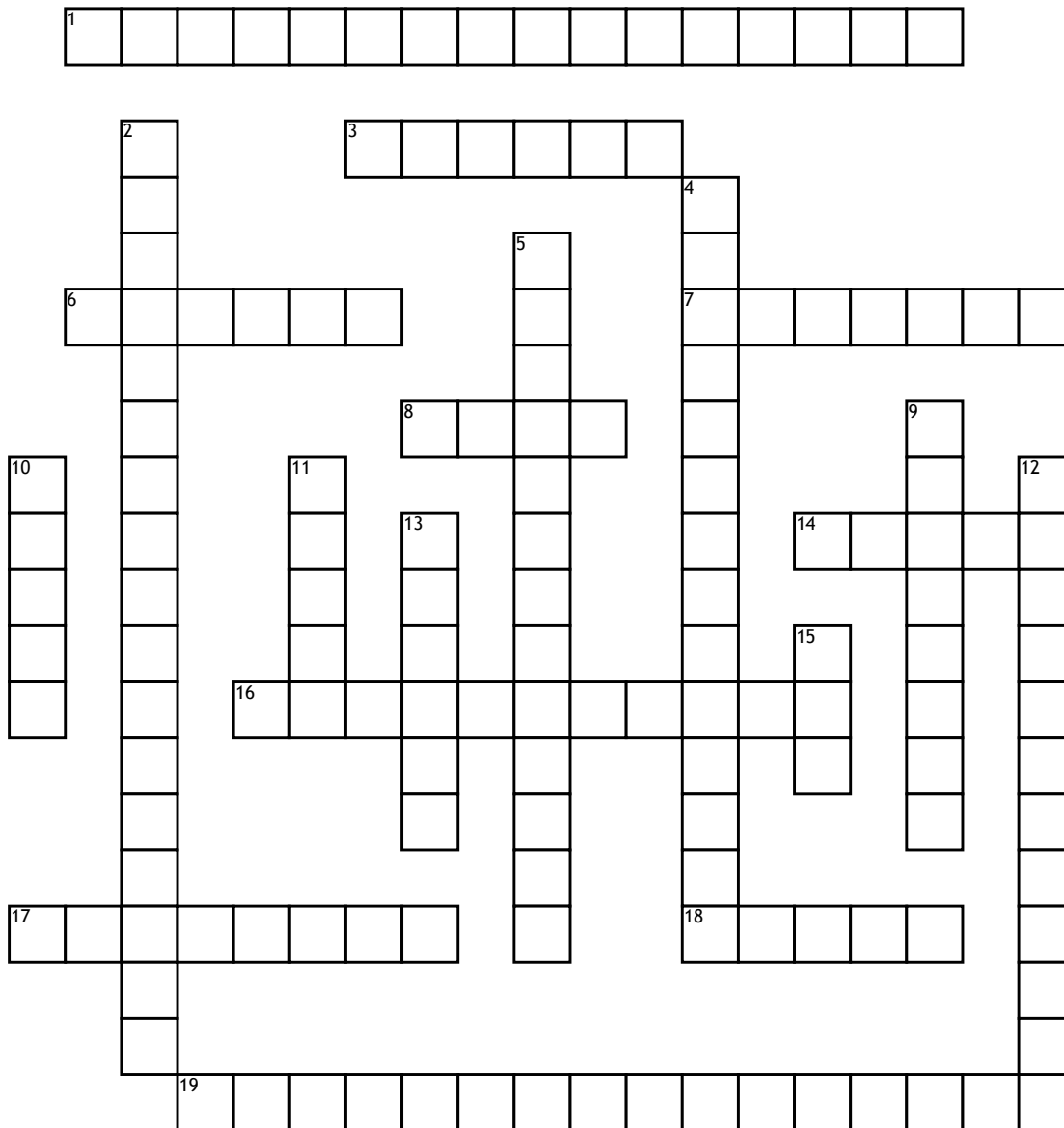


Name: \_\_\_\_\_

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

# Photosynthesis



## Across

1. The process when O<sub>2</sub> binds to RuBP instead of CO<sub>2</sub>
3. The gas given off as a result of the light reaction
6. \_\_\_\_\_, algae, and cyanobacteria photosynthesize
7. Enzyme responsible for adding CO<sub>2</sub> to RuBP
8. The sugar that CO<sub>2</sub> is first added to in the Calvin Cycle
14. \_\_\_\_\_ is used to excite e<sup>-</sup> to power the ETC

16. The organelle where photosynthesis takes place
17. The purpose of the ETC is to make a \_\_\_\_\_.
18. \_\_\_\_\_ is the terminal electron acceptor of the light reaction
19. The second step of the Calvin Cycle

## Down

2. The light reaction occurs in the \_\_\_\_\_
4. The first step of the Calvin Cycle

5. Gas needed for the Calvin Cycle
9. \_\_\_\_\_ capture light
10. \_\_\_\_\_ is split during the light reaction
11. Electron carrier used in photosynthesis
12. ATP is made using this enzyme
13. The Calvin Cycle occurs in the \_\_\_\_\_.
15. The H<sup>+</sup> gradient is used as an energy source to make \_\_\_\_\_