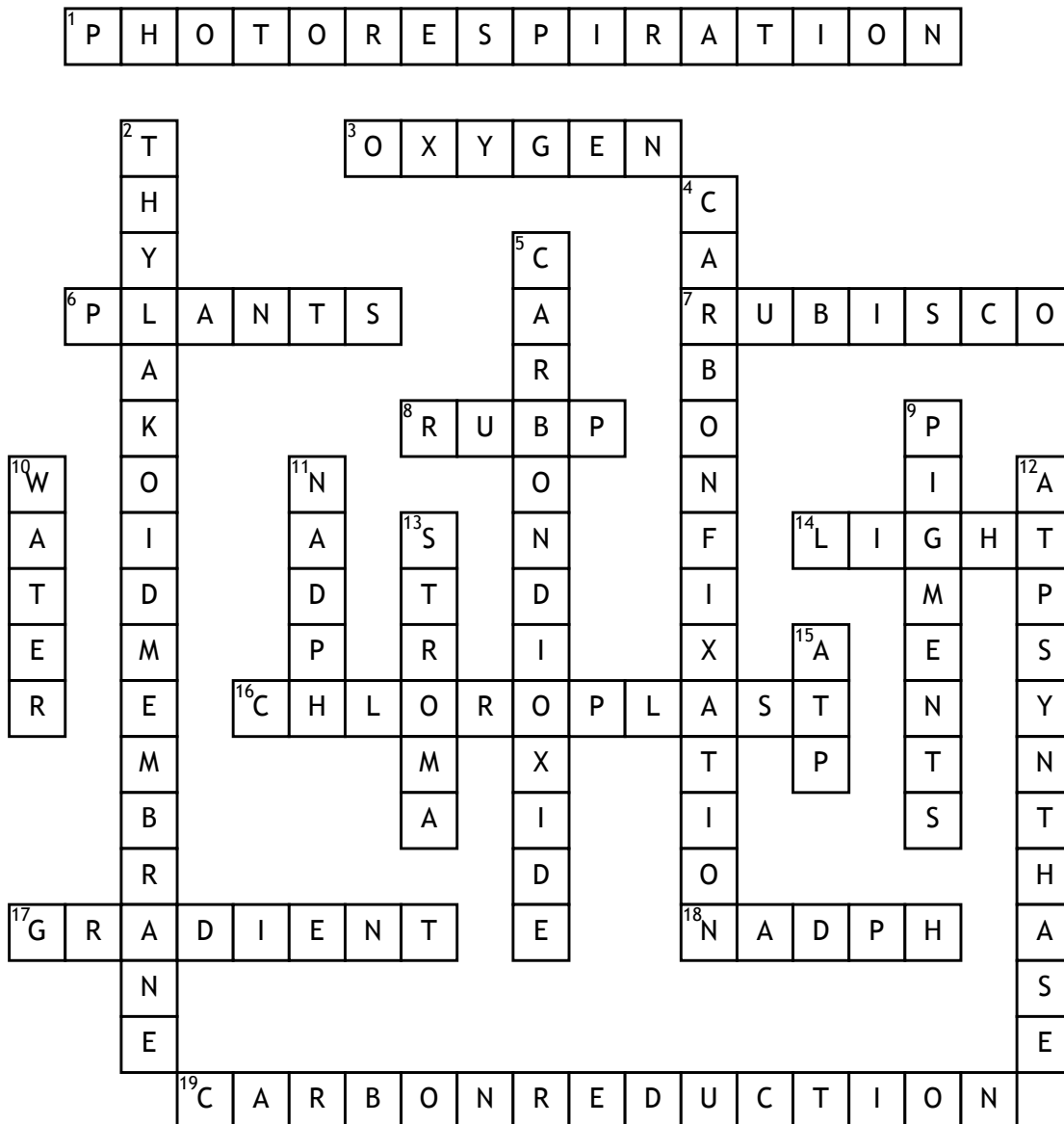


Name: _____

Date: _____

Photosynthesis



Across

1. The process when O₂ binds to RuBP instead of CO₂
3. The gas given off as a result of the light reaction
6. _____, algae, and cyanobacteria photosynthesize
7. Enzyme responsible for adding CO₂ to RuBP
8. The sugar that CO₂ is first added to in the Calvin Cycle
14. _____ is used to excite e⁻ 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⁺ gradient is used as an energy source to make _____