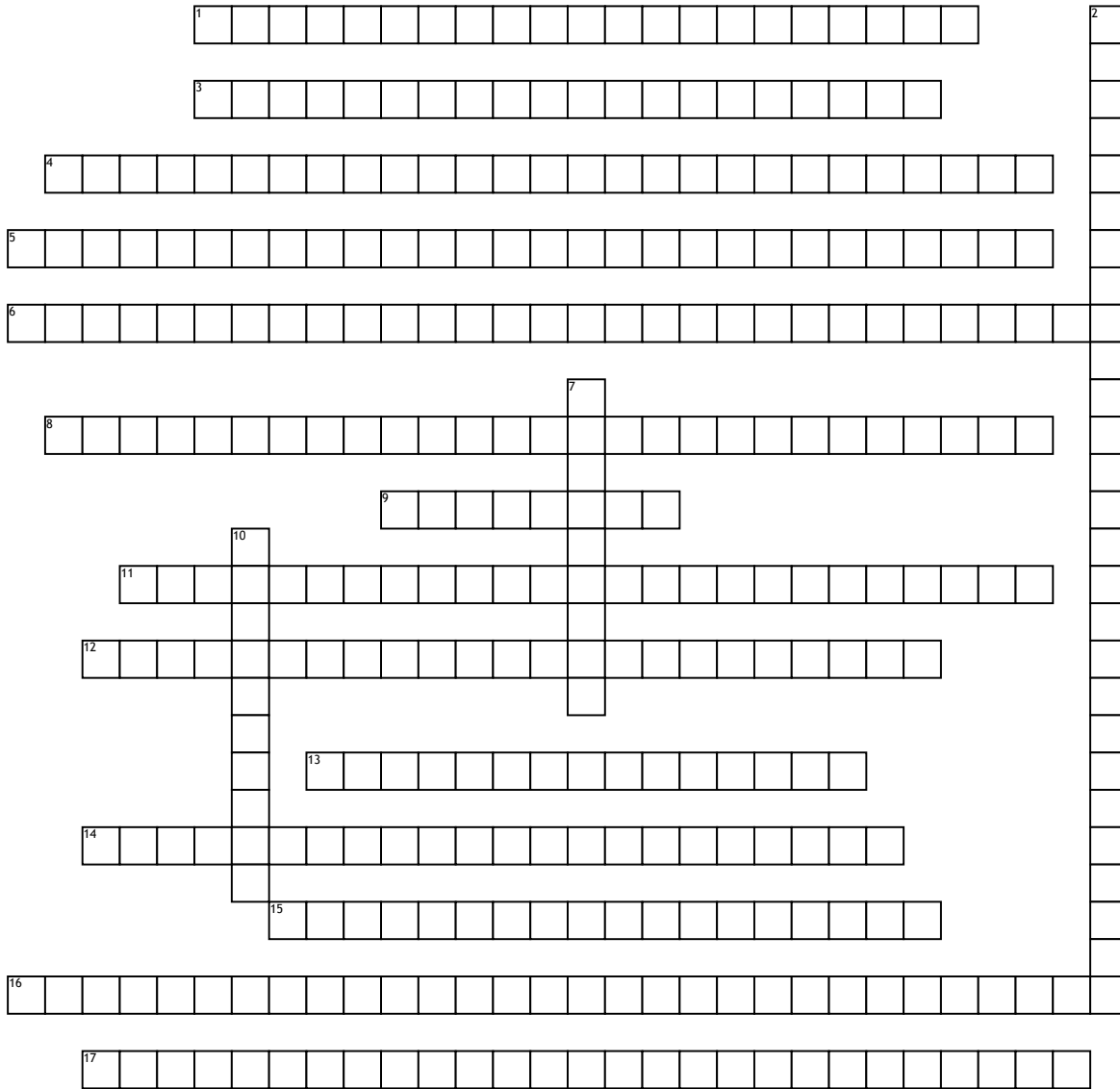


Name: _____

Date: _____

Cellular Respiration



Across

1. Occurs in yeast when oxygen is not available. Pyruvate from glycolysis is broken down into alcohol, CO₂, and 2 ATP
3. Does not use oxygen
4. $C_6H_{12}O_6 + 6O_2 \rightarrow 6CO_2 + 6H_2O + ATP$
5. 36-38 ATP
6. inner membrane of mitochondria

8. 2 pyruvate molecules from glycolysis are chemically converted in this cycle to make 2 ATP
9. CO₂ and H₂O
11. to convert the chemical energy in food (glucose) to chemical energy stored in ATP.
12. Inner membrane and matrix
13. mitochondrial matrix
14. Occurs in some bacteria and animal cells. Pyruvate from glycolysis is converted into lactic acid and 2 ATP

15. requires oxygen

16. 2-4 ATP

17. Electron Transport Chain (ETC)

Down

2. alcoholic fermentation and lactic acid fermentation
7. $C_6H_{12}O_6$ and O₂
10. split the 6-carbon molecule of glucose in half to form 2 3-carbon molecules called pyruvate.