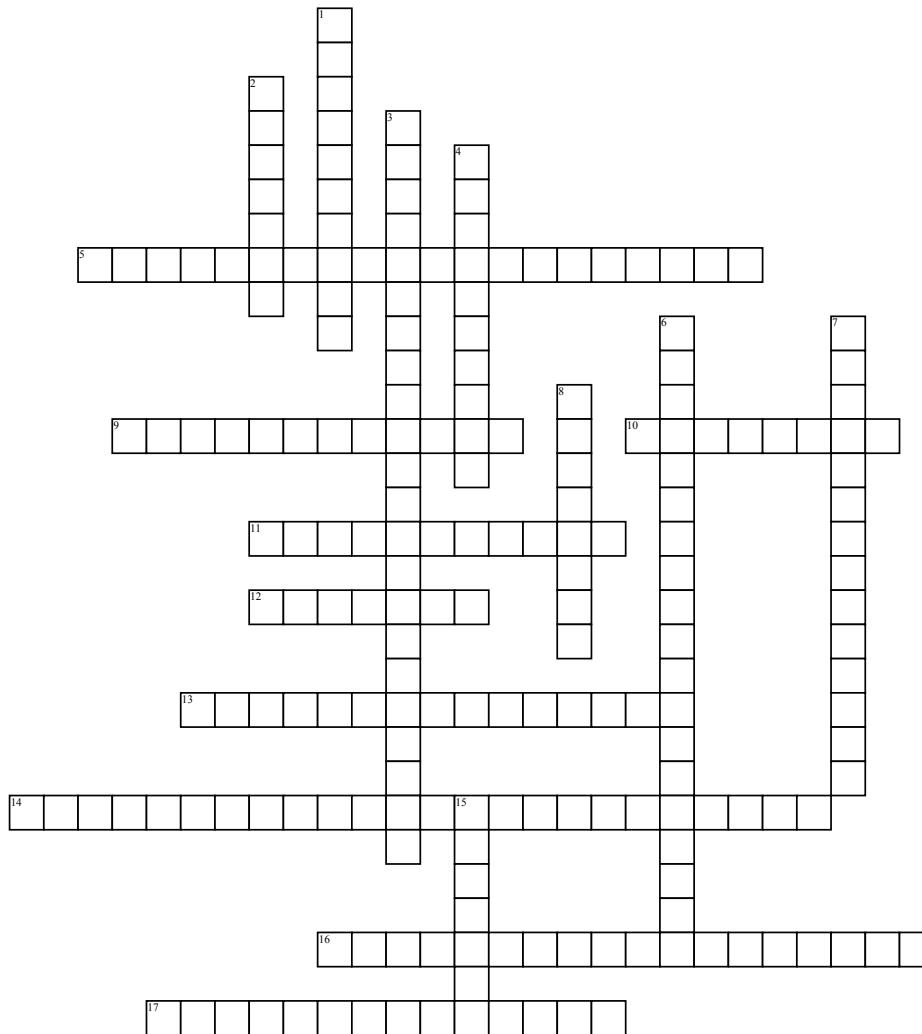


# BIOL 1210 Crossword



## Across

5. a membranous network that is continuous with the outer nuclear membrane  
 9. site of cellular respiration  
 10. small, repetitive building-block molecules  
 11. cite of photosynthesis  
 12. the organelle of a eukaryotic cell that contains the genetic material  
 13. chemical cycle that completes the break down of glucose by oxidizing acetyl CoA to produce the CO<sub>2</sub>

14. production of ATP using energy from the redox reactions of the electron transport chain

16. the collection of membranes inside and surrounding a eukaryotic cell

17. an organelle consisting of stacks of flat membranous sacs

## Down

1. series of reactions that break down glucose into two molecules of pyruvate

2. membrane-bounded vesicle with varied functions

3. the process by which pyruvate is converted to lactic acid

4. reaction that is essentially the reverse of the dehydration reaction

6. process by which pyruvate is converted to ethanol

7. giant molecules formed by the joining of smaller molecules

8. a membrane-enclosed sac of hydrolytic enzymes

15. a long molecule consisting of many similar or identical building blocks

## Word Bank

- |                           |                     |                          |                       |
|---------------------------|---------------------|--------------------------|-----------------------|
| nucleus                   | glycolysis          | hydrolysis               | chloroplast           |
| citric acid cycle         | endomembrane system | Golgi apparatus          | vacuole               |
| alcohol fermentation      | monomers            | lactic acid fermentation | lysosome              |
| macromolecules            | mitochondria        | polymer                  | endoplasmic reticulum |
| oxidative phosphorylation |                     |                          |                       |