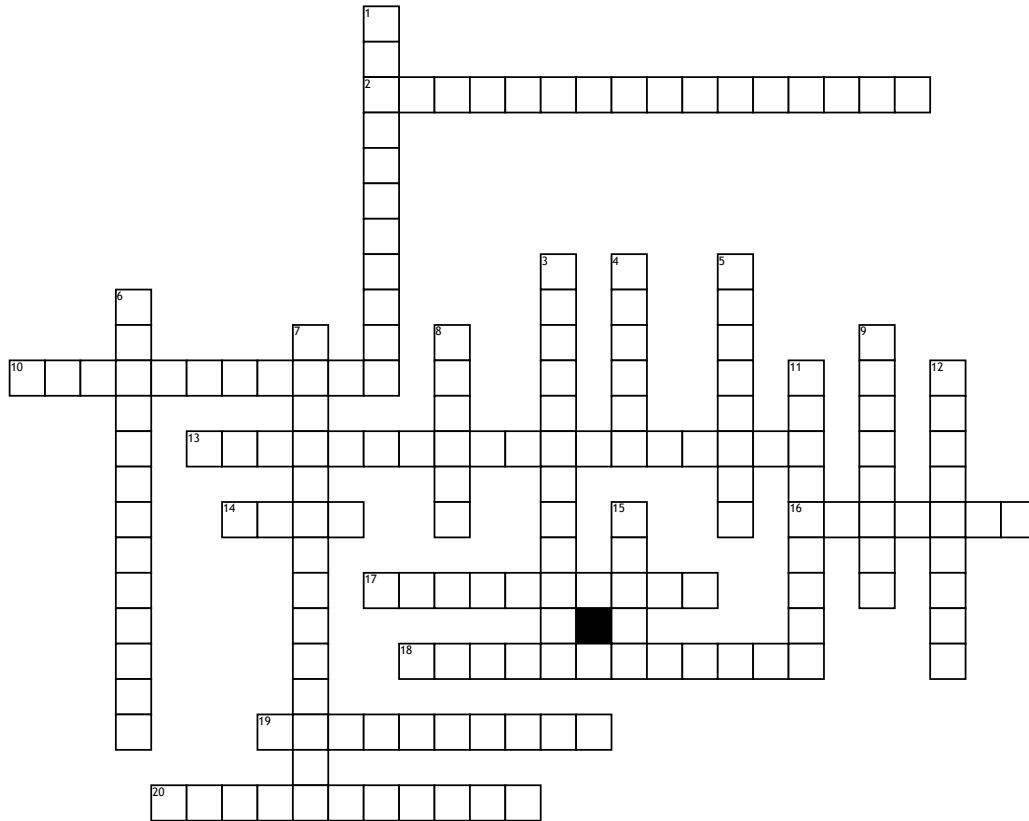


Name: \_\_\_\_\_

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

## Phospholipid Bilayer and Review from Ecology, Enzymes and Macromolecules



### Across

2. in ecology we learned about examples of predation, disease, and competition  
 10. water loving/ attracting, the head part  
 13. examples of natural disasters such as floods, and tsunamis  
 14. is made up of alcohol and phosphate group  
 16. any nonliving part of the environment  
 17. a group of the same species of catfish living in a lake

18. a symbiotic relationship where one organism benefits and the other is neither helped or harmed  
 19. is a symbiotic relationship in which one organism lives inside another organism and harms it  
 20. nucleotides are the monomers for this macromolecule - store and transmit heredity

### Down

1. water fearing/repelling) tails  
 3. protecting, giving shape, allowing transportation of materials in and out the cell  
 4. protein catalyst that speeds up the rate of specific reactions

5. monomers join together to form  
 6. sugar, starch, and cellulose are examples of what, also contains the elements carbon, hydrogen and oxygen atoms  
 7. is made up of phospholipids  
 8. includes fats, oils and waxes  
 9. embedded in the phospholipid bilayer  
 11. a symbiotic relationship between two species in which they both benefit  
 12. this binds to a part of the enzyme called the active site  
 15. chains of fatty acids

### Word Bank

plasma membrane  
 commensalism  
 cell membrane  
 hydrophobic  
 lipids

carbohydrates  
 density dependent  
 density independent  
 enzyme  
 polymers

mutualism  
 proteins  
 nucleic acid  
 head  
 population

parasitism  
 abiotic  
 tails  
 hydrophilic  
 substrate