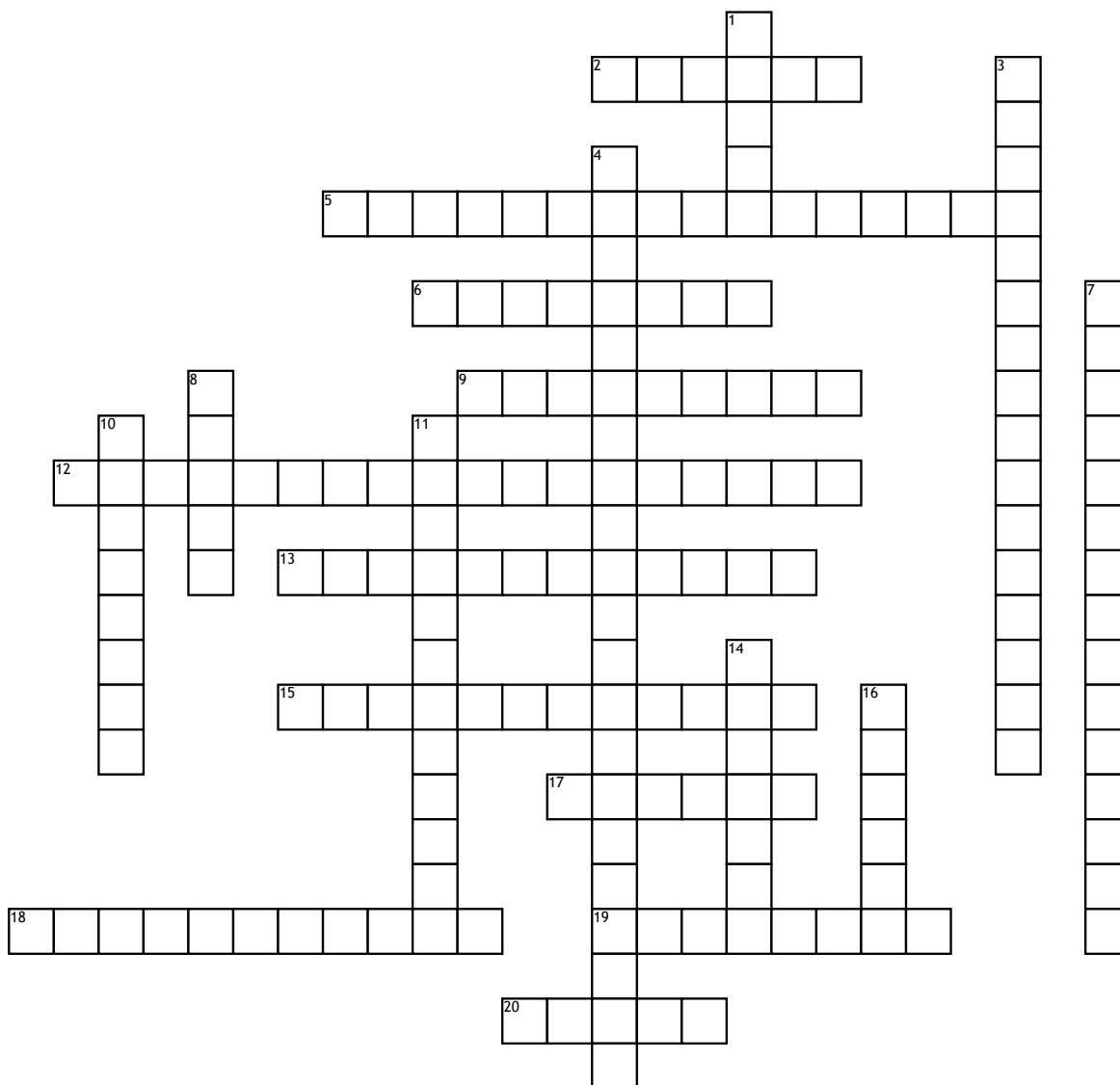


Name: \_\_\_\_\_

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

# Physics Cross Word Puzzle



## Across

2. A quantity that only has magnitude  
 5. The X and Y points on a plane  
 6. Where an object is located relative to a frame of reference; measured with the unit meters (m)  
 9. General quantity or distance  
 12. Equations that tell the relationship between initial and final velocity, displacement, time, and acceleration; are only valid when acceleration is constant  
 13. The difference between two given times  
 15. How fast an object travels; the distance an object travels divided by the length of time traveled meters/second (m/s)

17. A quantity that has both magnitude and direction (arrow)  
 18. The change in an object's position from its starting point to its ending point  
 19. a number expressing a property, quantity, or relation that remains unchanged under specified conditions  
 20. The basic SI unit for length in the metric system; used for measuring

## Down

1. The steepness of a straight line on a graph; the change in the y-variable divided by the change in the x-variable; can be positive, negative, or zero.  
 3. A defined origin and axes that specify the directions (N, S, E, W; left, right, up, down) in a problem  
 4. The velocity of an object at a single moment in time

7. An object's displacement divided by the length of time traveled meters/second (m/s)  
 8. The time rate at which an object is moving along a path  
 10. The total length of the path traveled; is always a positive number; is a scalar; measured with the unit meters (m)  
 11. The change in velocity per unit of time; occurs when an object increases or decreases its speed and/or changes the direction it is moving; is a vector; measured with the unit meters/second<sup>2</sup> (m/s<sup>2</sup>)  
 14. A commonly used unit of time; 1/60 of a minute  
 16. The intersection of the X and Y axis' represented by (0,0)