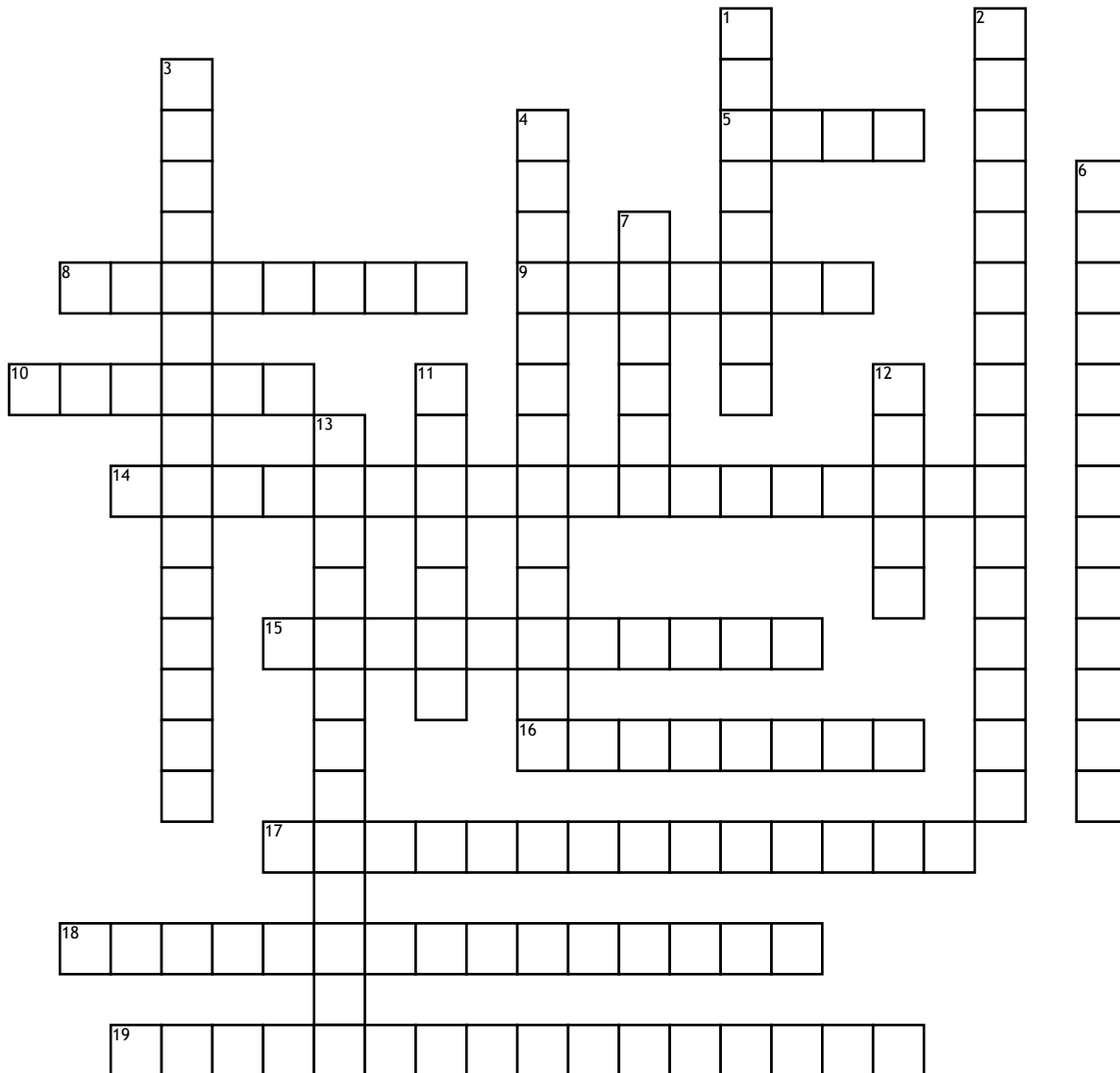


# Unit 10 Crossword



## Across

5. The amount of matter in an object  
 8. A force that opposes the motion of objects after all forces are combined  
 9. Tendency of an object to resist change in its motion  
 10. The force of gravity acting on an object  
 14. A attractive force that acts between any two objects  
 15. A force that continuously changes the direction of an object to make it move in a circle  
 16. The overall force acting on an object after all forces are combined

17. A friction force that acts on objects that touch as they move past each other  
 18. A friction force that acts on rolling objects, caused by the change in shape at the point of rolling contact  
 19. The curved path of an object in free fall after it is given an initial forward velocity

## Down

1. The product of an objects mass and velocity  
 2. The constant velocity of an falling object when the force of air resistance equals the force of gravity

3. A friction force that opposes the motion of an object as it slides over a surface  
 4. A friction force that opposes the motion of an object through a liquid  
 6. The total momentum of a system does not change if no net force acts on the system  
 7. The SI unit for force equal to the force that causes 1-Kilogram mass to accelerate 1 meter per second squared  
 11. The attraction between any two objects because of their masses  
 12. A push or a pull  
 13. Fluid friction acting on an object moving through the air