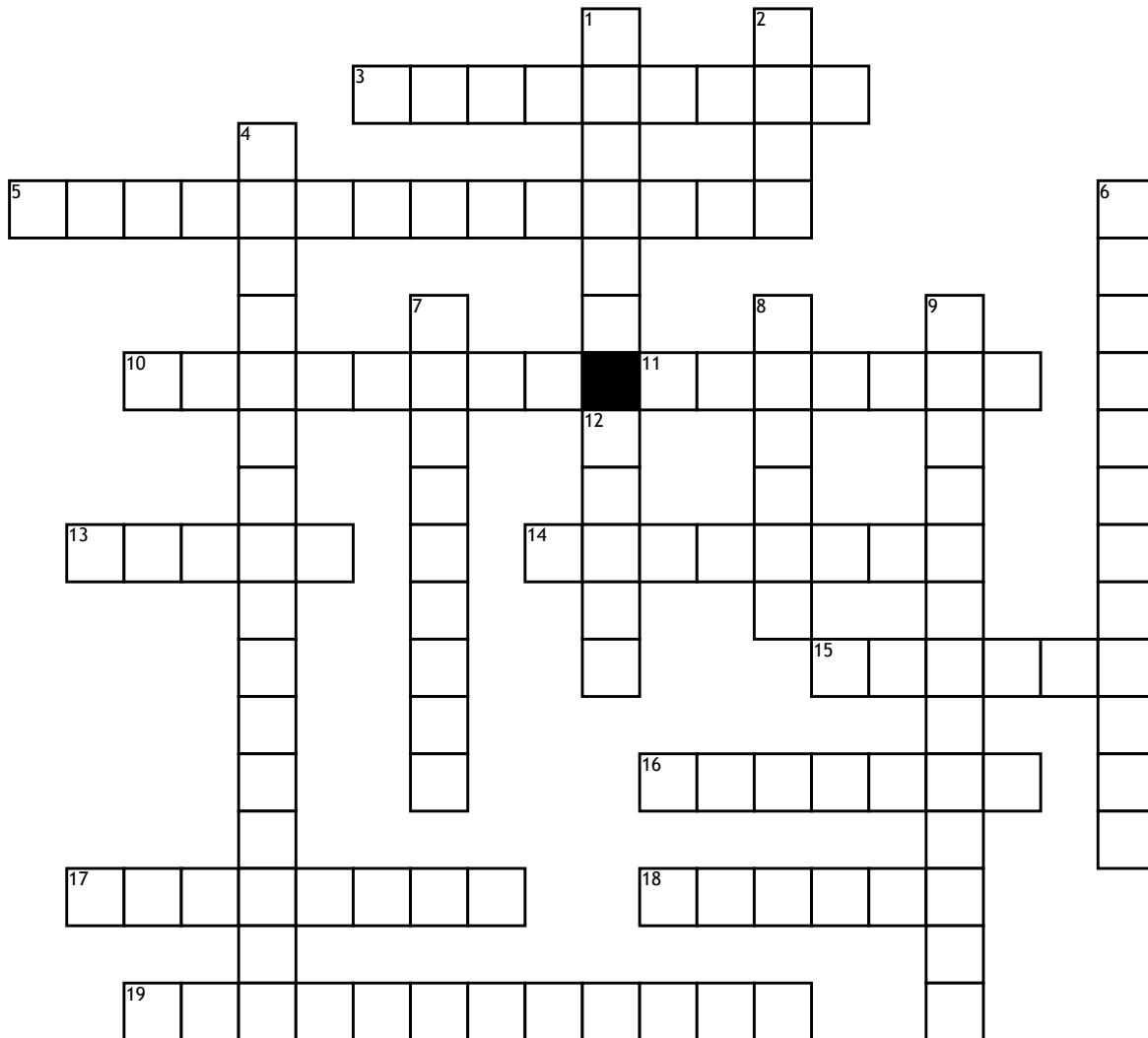


Name: \_\_\_\_\_

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

# Force and Motion



## Across

3. stored energy  
 5. equal forces acting on an object in opposite directions...net force is zero  
 10. speed in a given direction  
 11. the tendency for an object to resist a change in its motion  
 13. push or pull  
 14. the overall force acting on an object  
 15. the gravitational force between you and Earth  
 16. the force that pulls objects toward Earth

17. the force that one object exerts on another when they rub against each other  
 18. a change in position of an object with respect to a reference point  
 19. the straight-line distance between the start point and end point with direction

## Down

1. the ability to do work  
 2. the amount of matter in an object  
 4. a non-zero net force which changes an object's motion

6. the rate at which velocity changes...speed up...slow down...change direction

7. the line or path along which something is moving, pointing, or aiming  
 8. the unit used to measure force  
 9. the fluid friction experienced by objects falling through the air  
 12. the distance an object travels in one unit of time