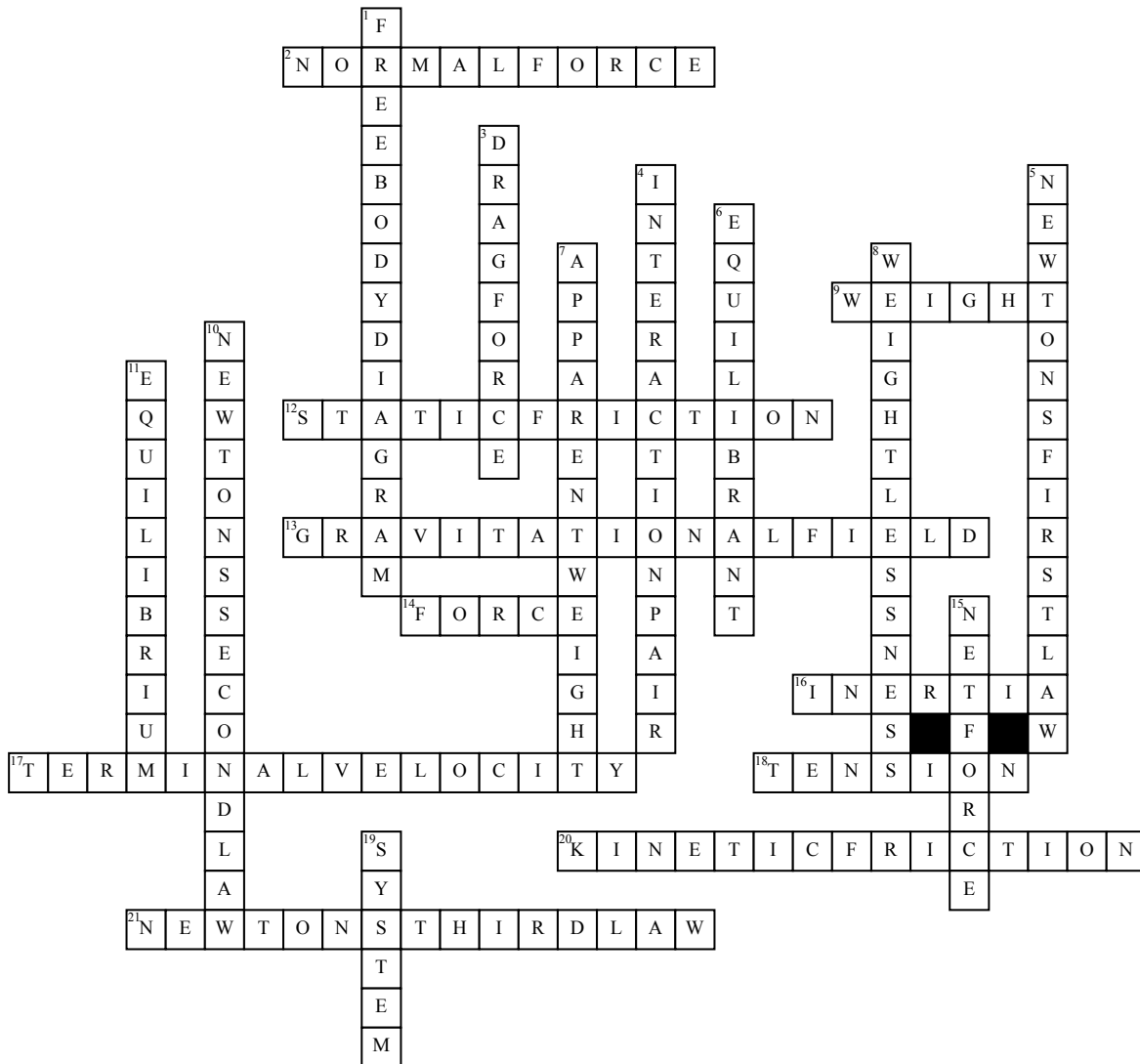


# Physics Vocabulary



## Across

2. the support force exerted upon an object that is in contact with another stable object  
 9. the force exerted on a body by gravity.  
 12. the friction that exists between a stationary object and the surface on which it's resting.  
 13. the region of space surrounding a body in which another body experiences a force of gravitational attraction.  
 14. A push or pull against an object causing it to move  
 16. the resistance of any physical object to any change in its state of motion  
 17. the highest velocity attainable by an object as it falls through a fluid

18. pulling force exerted by each end of a string

20. a force that acts between moving surfaces. An object that is being moved over

21. When one body exerts a force on a second body, the second body simultaneously exerts a force equal in magnitude and opposite in direction on the first body.

## Down

1. used to show the relative magnitude and direction of all forces acting upon an object in a given situation  
 3. a force acting opposite to the relative motion of any object moving with respect to a surrounding fluid.

4. in every interaction, there is a pair of forces acting on the two interacting objects.  
 5. an object either remains at rest or continues to move at a constant velocity, unless acted upon by a net force.  
 6. the force, which keeps any object motionless and acts on virtually every object in the world that is not moving  
 7. a property of objects that corresponds to how heavy an object is.  
 8. Absence of weight  
 10. Acceleration is produced when a force acts on a mass.  
 11. a state in which opposing forces or influences are balanced.  
 15. Sum of all forces acting on an object  
 19. a portion of the physical universe chosen for analysis.