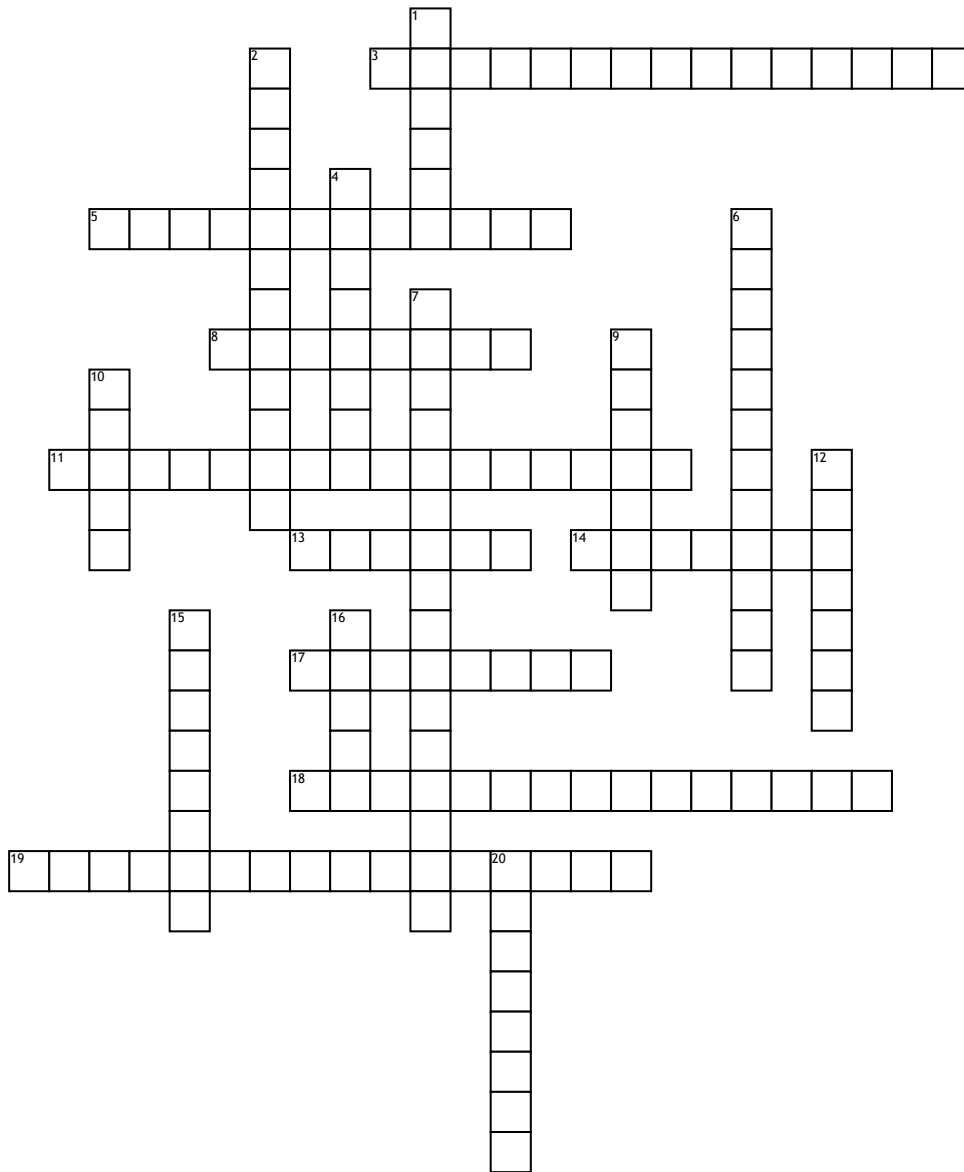


Force and Motion Vocabulary



Across

3. "Law of Inertia"
 5. _____ is a change in velocity
 8. Unbalanced forces that are not opposite and equal
 11. Maximum velocity reached by a falling object
 13. Velocity is added by _____ addition (like displacement)
 14. Tendency of an object to resist any change in it's motion
 17. The product of an object's mass and velocity
 18. When one object exerts a force on a 2nd object, the 2nd exerts an equal but opposite force

19. The acceleration of an object is directly proportional to the net force and inversely proportional to its mass

Down

1. The force of gravity on an object
 2. Straight line distance (and direction) between the start and end
 4. When an object is falling under only the influence of gravity
 6. A _____ graph can be used to determine speed

7. The motion of a falling object after it is given an initial forward velocity

9. Force is measured in _____
 10. Ratio of distance to time
 12. Force of attraction between any two objects in the universe
 15. A force that resists the motion of objects as they come in contact
 16. A push or pull that one body exerts on another
 20. The length of a path between two points