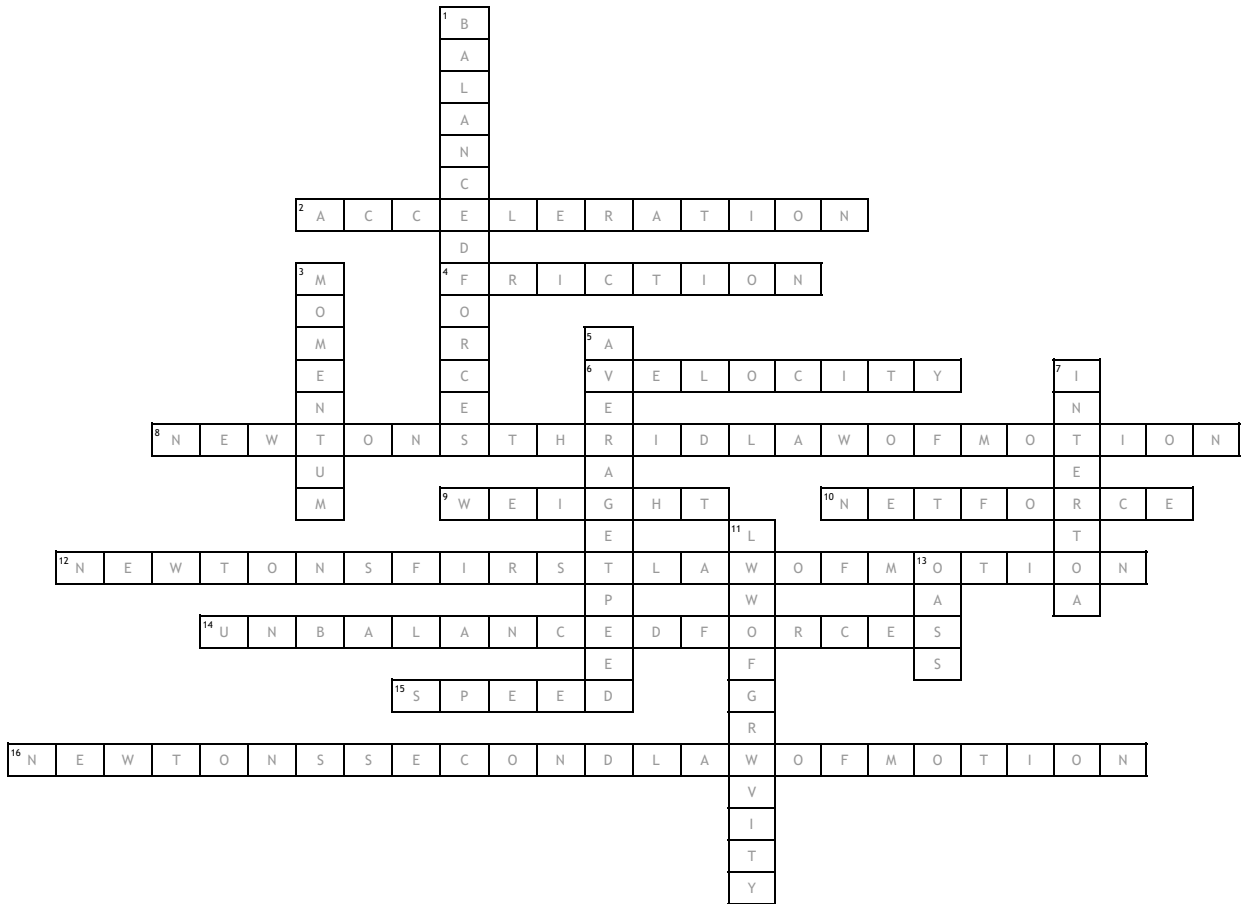


Forces and motion vocabulary



Across

- 2. The rate at which velocity changes over time; it accelerates if speed and direction change
- 3. A force that opposes motion between two surfaces that are in contact
- 4. The speed of an object in particular direction
- 8. Every action there is an equal and opposite reaction, meaning every interaction there is a pair of forces acting on the 2 interacting objects
- 9. Measure of gravitational force extended on an object and its value can change with location of an object and universe
- 10. The combination of all forces acting on an object
- 12. An object at rest stays motion stays with the same speed and direction unless acted upon by an unbalanced force
- 14. When the net force on an object is not 0N. They produce a change in motion and causes non moving objects to move
- 15. The distance traveled divided by the time interval distance which there's motion
- 16. The acceleration of an object A's produced by net force is directly proportional to the magnitude or net force

Down

- 1. When forces of an object produce a net force of 0N
- 3. The quantity of motion of a moving body, mass and velocity
- 5. Slope of a line and total distance by total time
- 7. The tendency of an object to resist motion if it's moving and to resist a change in speed or direction until an outside force acts on it
- 11. A particle attracts every other particle in the universe using a force directly proportional to the products mass
- 13. Property of matter that measures its resistance to acceleration