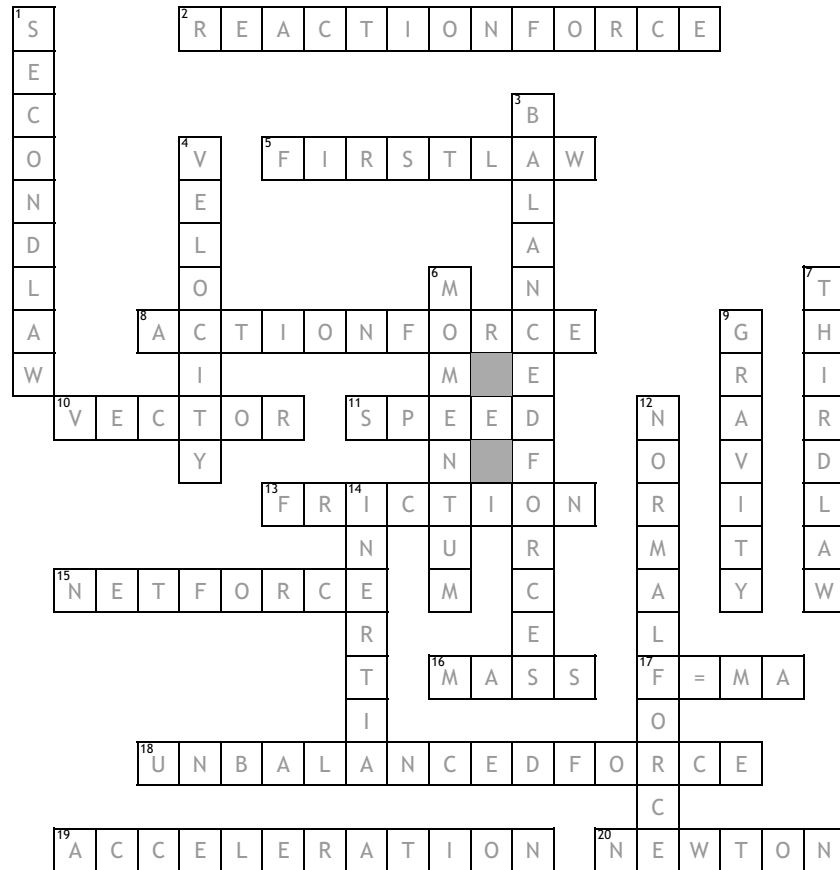


newton's laws



Across

2. force acting in an opposite direction
5. the law of Newton stating an object that is not moving will remain stationary, and an object moving will continue to move, unless another force changes it; inertia
8. force acting in one direction
10. a speed with direction
11. distance/time; rate it takes an object to cover a distance
13. The force that is resisting motion of an object
15. overall force acting on an object
16. the number of atoms in an object
17. force equals mass times acceleration
18. when individual forces are in the opposite direction but are different in size
19. increase in rate of speed of an object
20. Last name of english mathematician and physicist who was known to study the laws of gravity

Down

1. The law of Newton stating that an acceleration of an objects need the the variables of net force and mass of the object
3. when forces on an object are equal in size but opposite in direction
4. an objects speed and direction
6. a quantity that includes mass and velocity
7. The law of Newton stating an objects action has an equal and opposite reaction
9. the force that's a push or pull towards the center of the Earth
12. force exerted from an object ex: walls and floors
14. the resistance an object gives when there is a change in motion