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## Newton's Laws

## Across

2. force acting in an opposite direction
3. 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
4. force acting in one direction
5. a speed with direction
6. distance/time; rate it takes an object to cover a distance
7. The force that is resisting motion of an object 15. overall force acting on an object
8. the number of atoms in an object
9. force equals mass times acceleration
10. when individual forces are in the opposite direction but are different in size
11. increase in rate of speed of an object
12. 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
2. when forces on an object are equal in size but opposite in direction

3. an objects speed and direction
4. a quantity that includes mass and velocity
5. The law of Newton stating an objects action has an equal and opposite reaction
6. the force that's a push or pull towards the center of the Earth
7. force exerted from an object ex: walls and floors
8. the resistance an object gives when there is a
 change in motion
