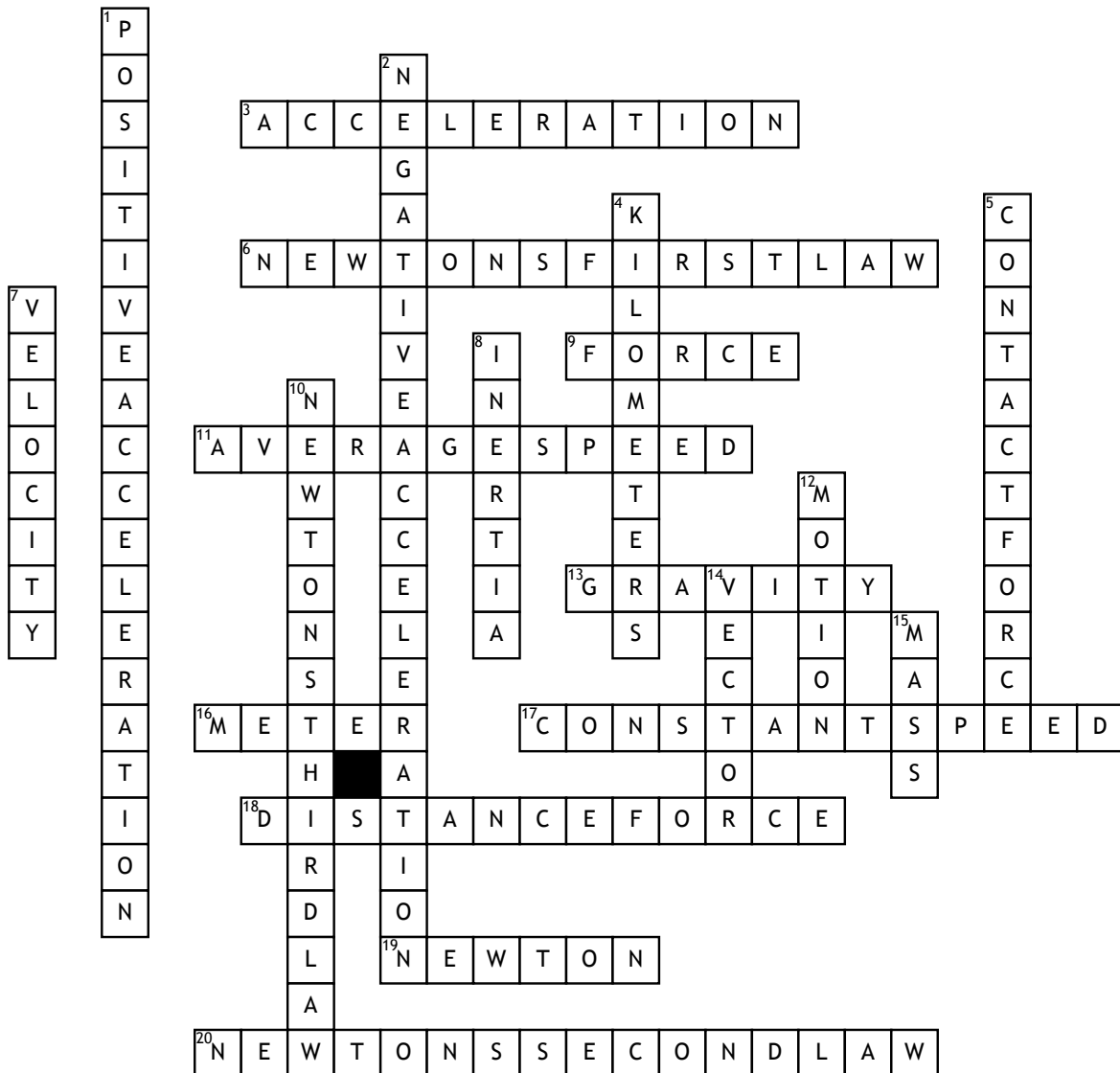


# Force, Motion, and Newton's Laws Crossword Puzzle



**Across**

- 3. The rate at which velocity changes over time.
- 6. An object at rest stays at rest, and an object that is in motion stays in motion.
- 9. A push or pull.
- 11. The speed of an object is rarely constant.
- 13. A force of attraction between objects due to their mass.
- 16. A standard unit of measurement.
- 17. The speed isn't increasing nor decreasing.

18. Between bodies separated by distance.

- 19. A unit to express force.
- 20. The acceleration of an object depends on the mass of the object and the amount of force applied.

**Down**

- 1. An increase in velocity.
- 2. A decrease velocity.
- 4. A metric unit of measurement to measure LONG distances.
- 5. A force exerted during contact between objects.

7. The speed of an object in a particular direction.

- 8. The tendency of all objects to resist a change in motion, so an object will not move until a force makes it move.
- 10. Whenever one object exerts a force on a second object, the second object exerts an equal and opposite force on the first object.
- 12. A change in position over time.
- 14. A quantity that has both size and direction.
- 15. The weight of an object, or how much matter is in the object.