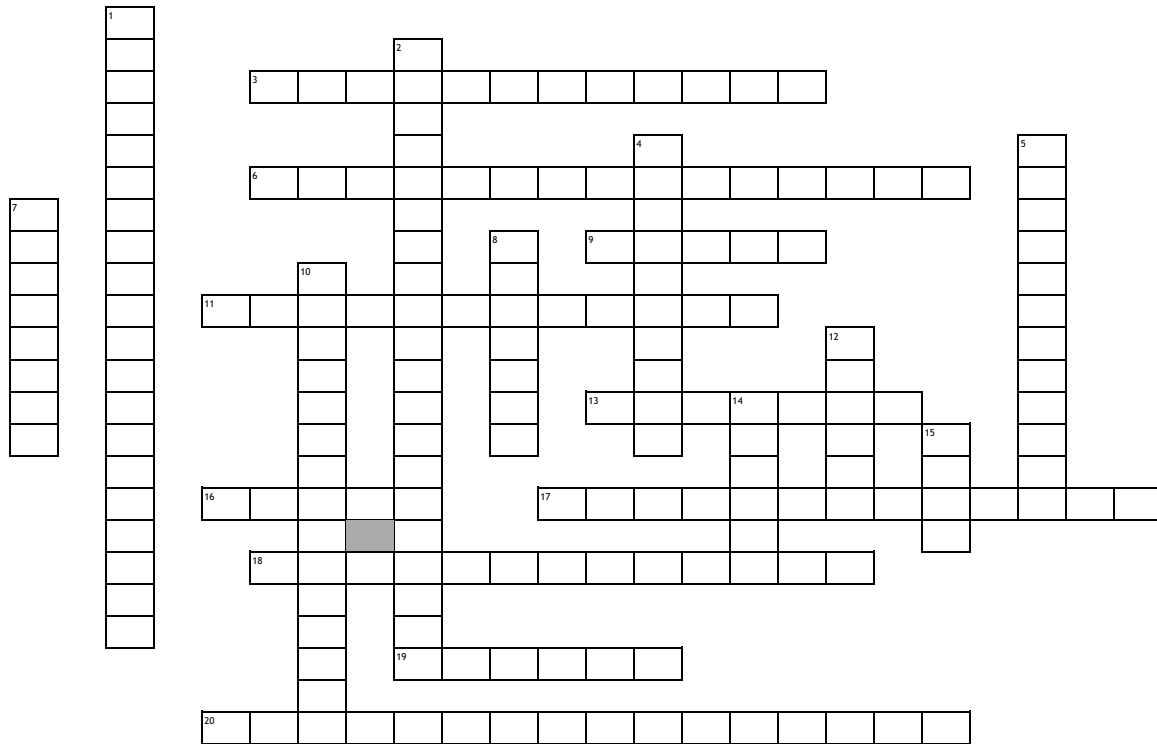


Force, Motion, and Newton's Laws Crossword Puzzle



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.