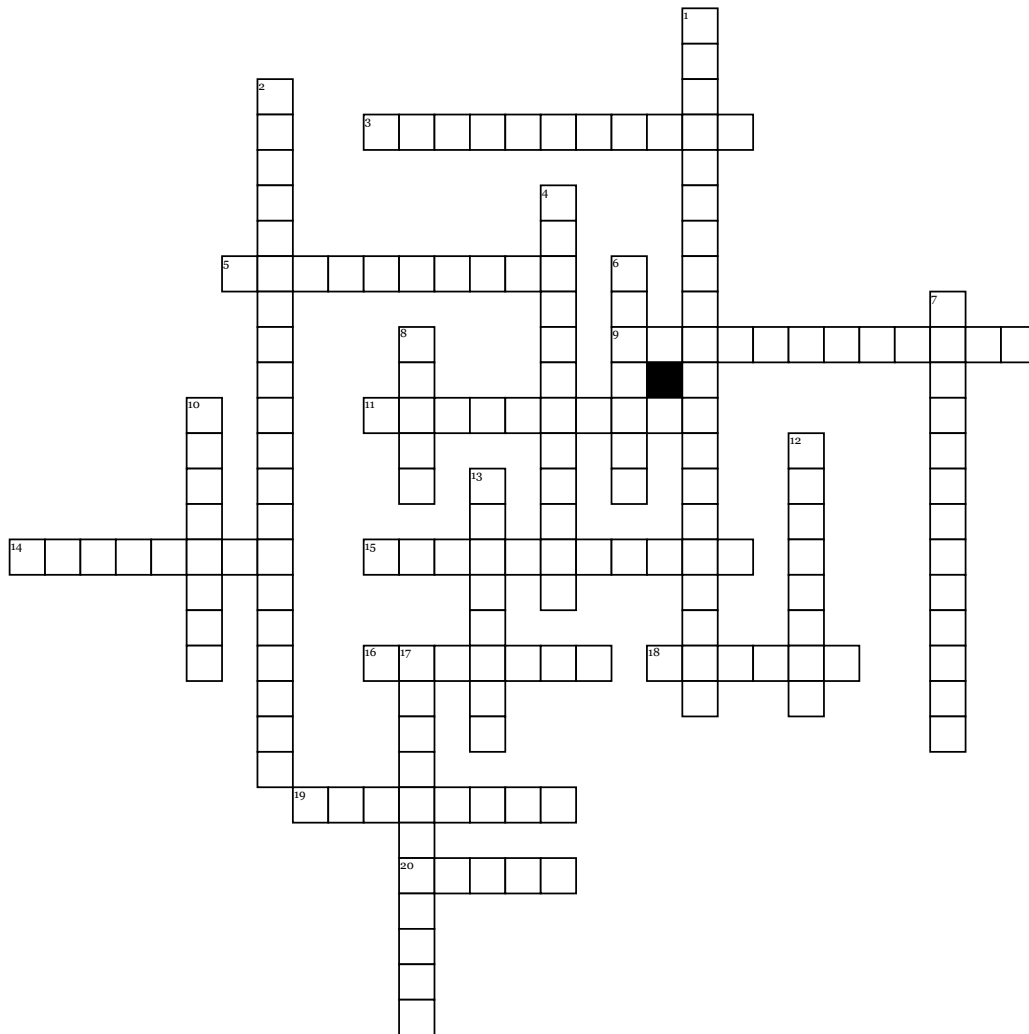


Name: _____

Date: _____

Force, Motion, and Newton's Laws



Across

- 3.** For every action or force there is an equal and opposite reaction.
5. Microscopic bumps on a surface.
9. Rate of change of velocity.
11. Anything that is thrown or shot through the air.
14. How far an object has traveled.
15. Law of inertia, an object in motion stays in motion, or an object at rest stays at rest until an unbalanced force acts upon it.
16. Tendency of an object to resist any change in its motion.

- 18.** Occurs when an object changes position relative to a reference point.

- 19.** Includes speed of an object and the direction of its motion.
20. The distance an object travels per unit time - rate of change.

Down

- 1.** Slowing Down.
2. Speeding up.
4. Distance and direction of an objects change in position from start point.
6. Any two masses that exert an attractive force on each other.

- 7.** Friction like force that opposes motion of objects that moves through air.

- 8.** Push or pull applied to an object.

- 10.** Property of moving object resulting from its mass and velocity.

- 12.** The force that opposes the sliding motion of two touching surfaces.

- 13.** When two or more forces act on an object at the same time.

- 17.** A net force acting on a object cause object to accelerate in the direction of the force.

Word Bank

Distance
 Air Resistance
 Projectile
 Speed
 Velocity

Newton's 3 law
 Momentum
 Motion
 Microwelds
 Negative Acceleration

Displacement
 Acceleration
 Friction
 Positive Acceleration
 Inertia

Newton's 2 law
 Newtons 1 law
 Gravity
 Net Force
 Force