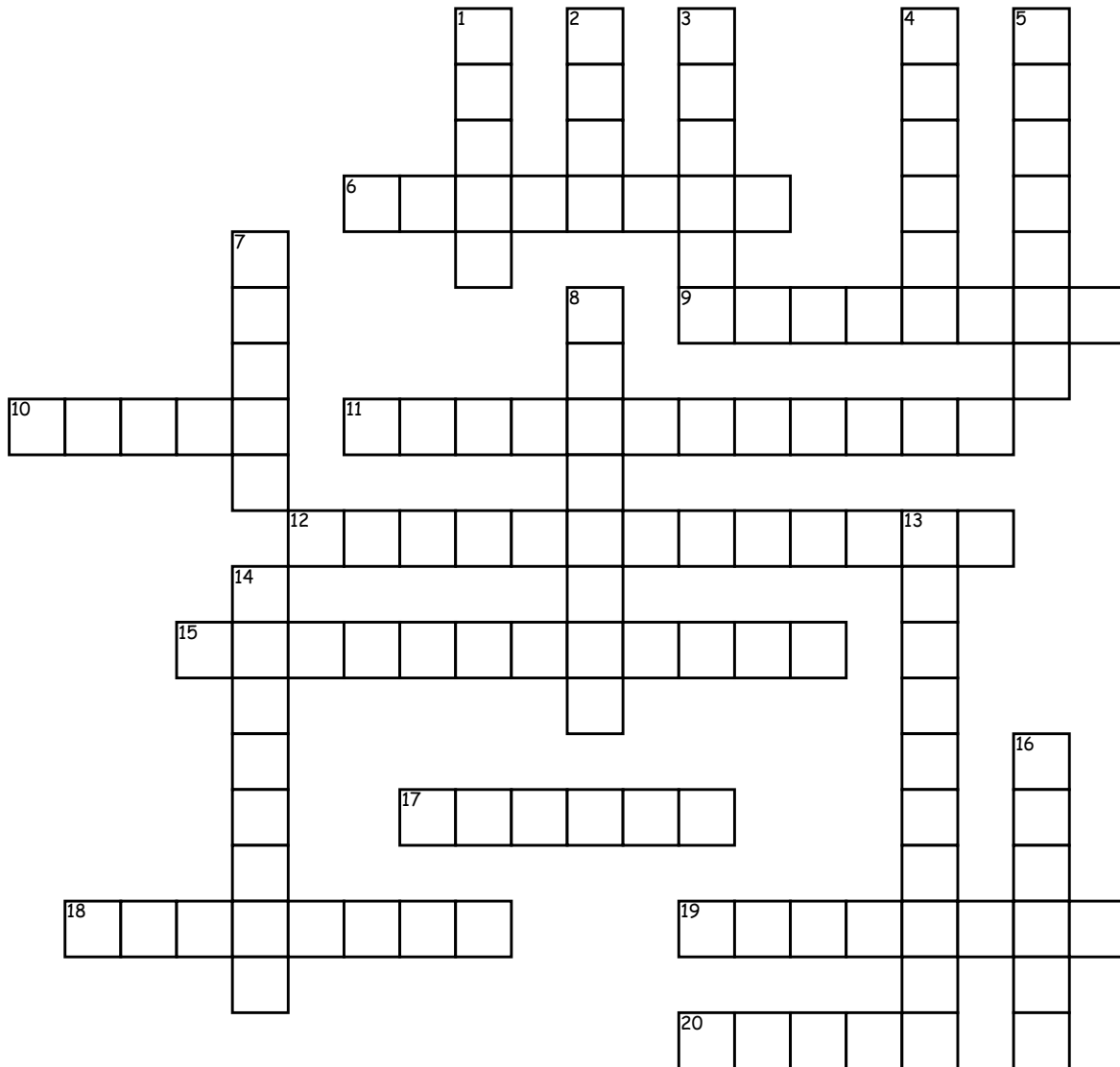


# Forces and Motion Crossword Puzzle



**Across**

- 6. Friction occurs in the direction \_\_\_\_\_ to the direction of the object's motion.
- 9. Speed that does not change.
- 10. Push or pull.
- 11. Change in speed or velocity, or both
- 12. The rate (speed) at which an object is moving at a given instance in time.
- 15. Distance and direction from an object's starting point.
- 17. When an object has a net force, the object is \_\_\_\_\_.

- 18. Force that two objects exert on each other when they rub against each other.
- 19. Speed in a given direction
- 20. Swimmers have to work hard to overcome this type of friction.

**Down**

- 1. Even if an object appears smooth, it has \_\_\_\_\_ surfaces.
- 2. A measure of how much matter is in an object
- 3. Friction that occurs when a force is applied and does not cause an object to move.

- 4. Measures the force of gravity pushing down on you
- 5. Friction that occurs when an object rolls across a surface.
- 7. The distance an object travels per unit of time.
- 8. When the net force is zero, the forces are \_\_\_\_\_.
- 13. When an object is moving, the forces are \_\_\_\_\_.
- 14. A measure of the space between two points.
- 16. The standard unit of measure for force.