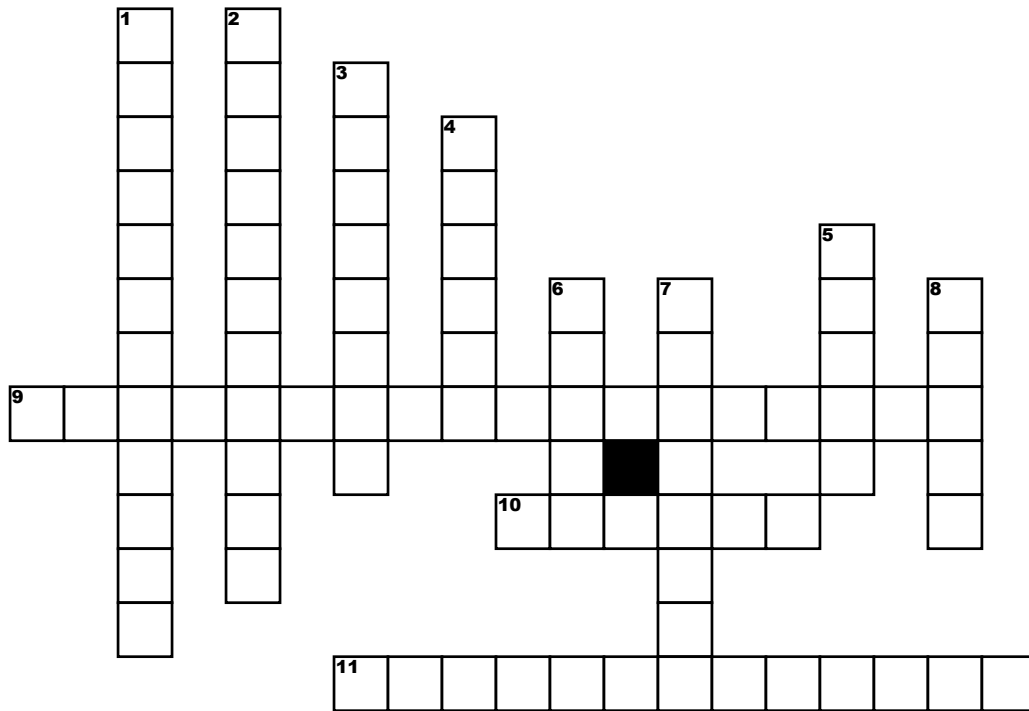


# Forces and Motion



**Across**

- 9.** The rate in which an object is moving at a given instant.
- 10.** A number having both direction and magnitude.
- 11.** When the speed of an object has absolutely no change or perhaps, it's not moving.

**Down**

- 1.** The total distance traveled divided by the total time.
- 2.** A group of numbers used to indicate the position of a point, line, etc.

- 3.** Speed in a given direction, (displacement/time).

- 4.** A fixed point in which coordinates are measured, usually at the beginning.
- 5.** The distance in which the object travels in one unit of time, (distance/time).
- 6.** The measure of steepness of a line, it's calculated by dividing the rise by the run.
- 7.** Particular way in which an object is placed or arranged.
- 8.** Speed Formula.

**Word Bank**

**Instantaneous Speed**

**Velocity**

**Average Speed**

**Coordinates**

**S=D/T**

**Vector**

**Origin**

**Position**

**Speed**

**Slope**

**Constant Speed**