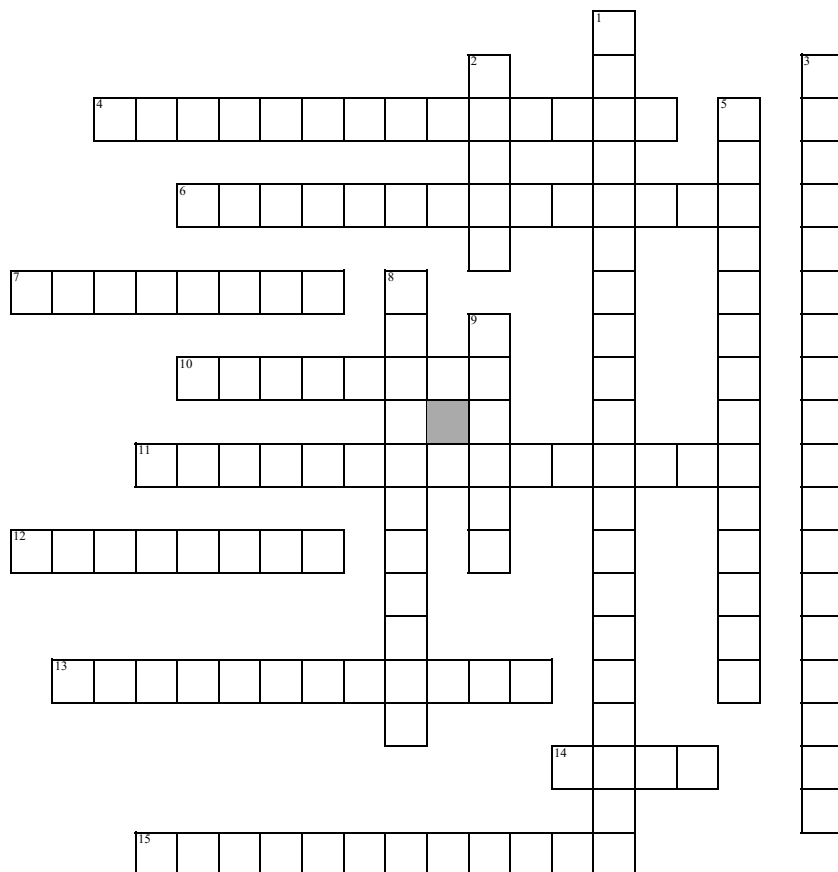


Motion, Speed And Acceleration



Across

4. A system of objects that are not moving with respect to one another.
6. Movement in relation to a frame of reference.
7. The movement of an object toward Earth because of gravity.
10. The length of the path between two points.
11. The vector sum of two or more vectors.
12. The speed and direction an object is moving.
13. The total distance traveled divided by the time it takes to travel that distance.
14. The indefinite continued progress of existence and events in the past, present, and future regarded as a whole.
15. The rate at which velocity changes.

Down

1. A steady change in velocity.
2. The ratio of the distance an object moves to the amount of time the object moves.
3. The rate at which an object is moving at a given moment in time.
5. A graph in which the displayed data form a curved line.
8. A graph in which the displayed data form a straight line.
9. A quantity that has a direction associated with it.