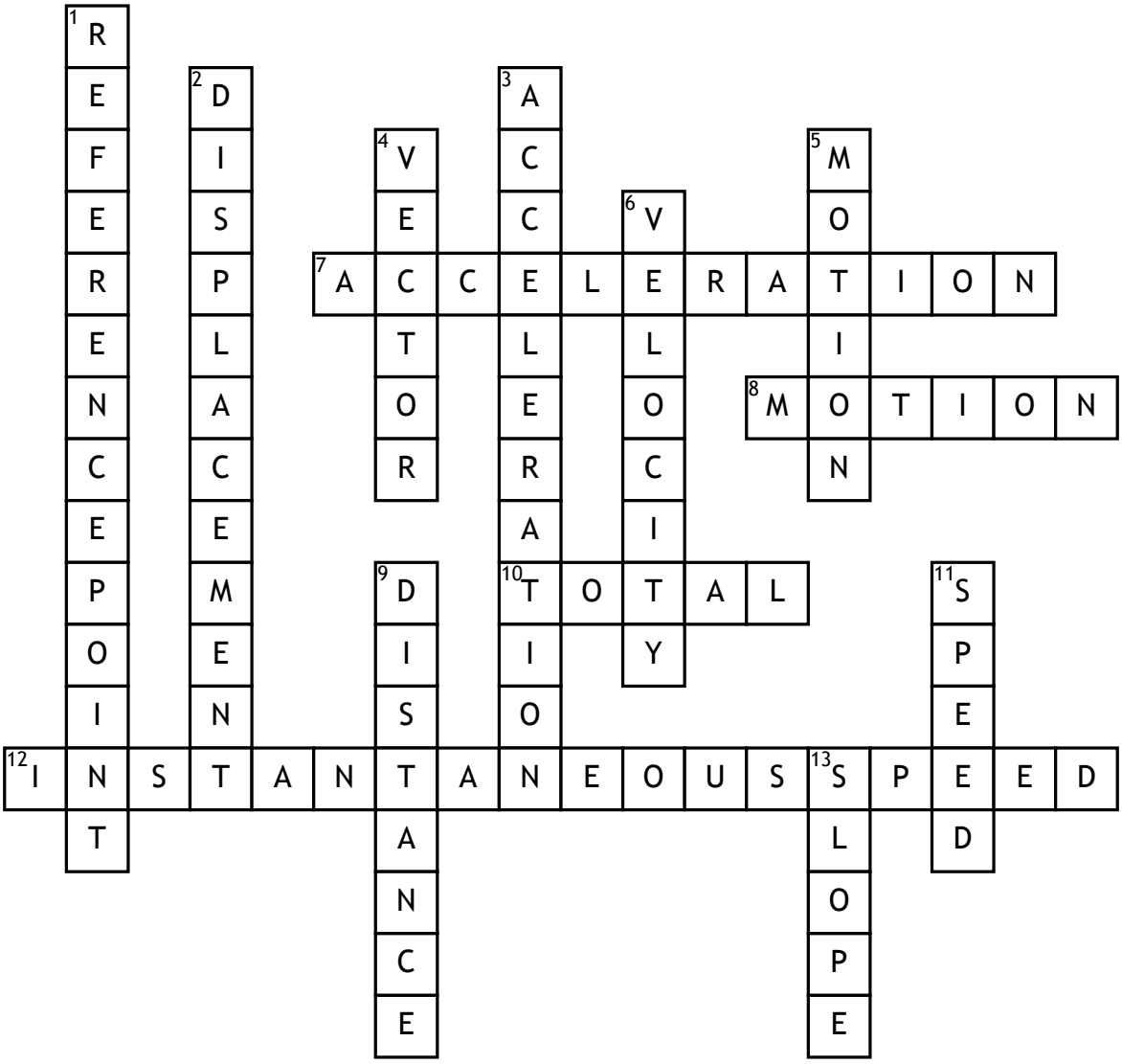
Name: _____ Date: _____ Period: _____

Motion



Across

7. The rate at which velocity changes with time.
8. The state in which one object's distance from another is changing.
10. The average speed is calculated by dividing the _____ distance an object travels by the _____ time.
12. The speed of an object at any given instant.

Down

1. A place or object used for comparison to describe the position of motion of a person or object.
2. The length and direction of a straight line between starting and ending points.
3. To determine the acceleration of an object, you must calculate its change in _____ per unit of time.
4. A measurable quantity that consists of both a magnitude and a direction.
5. If an object changes position relative to a reference point, it is in _____.
6. An object's speed in a given direction.
9. The length of a path between two points.
11. The distance an object travels in a certain period of time without regard to direction.
13. The steepness of a line on a graph, equal to its vertical change divided by its horizontal change.