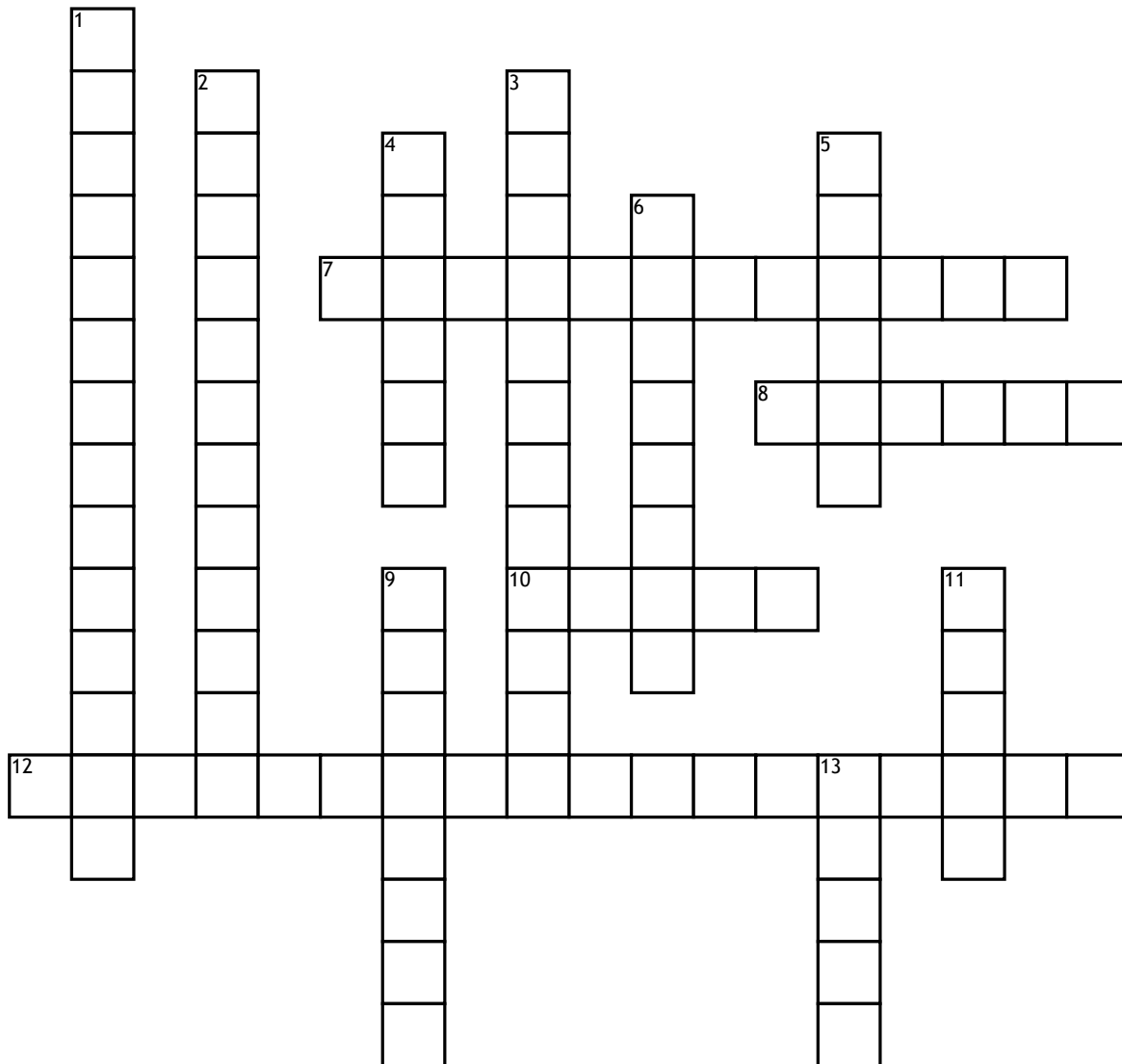


Name: _____ Date: _____ Period: _____

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.