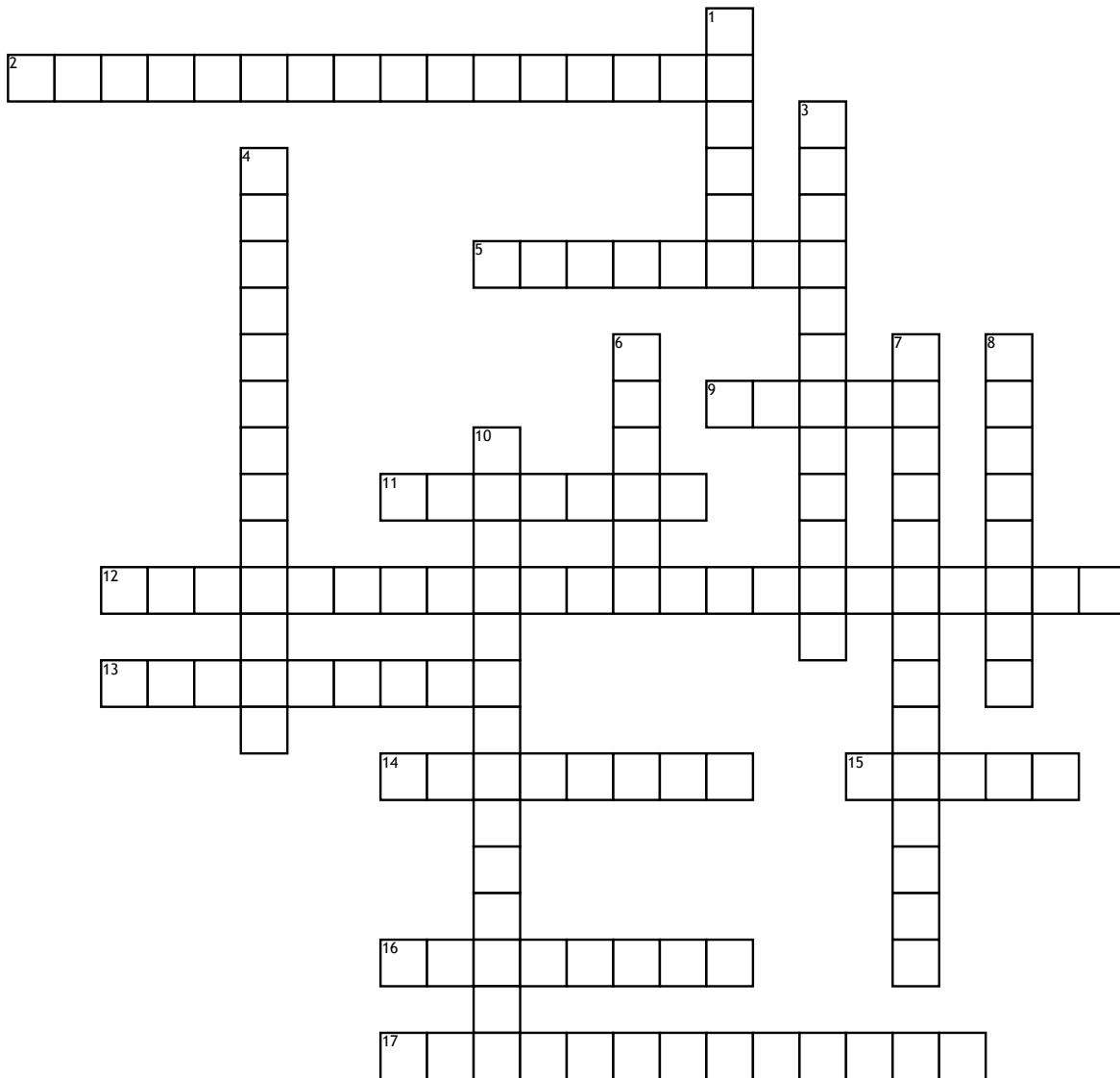


Name: _____

Motion vocabulary words



Across

2. Any force that keeps an object moving in a circle.

5. The combination of all of the forces acting on an object.

9. A push or pull exerted on an object in order to change the motion of the object; force has size and direction.

11. The resistance of an object to a change in the speed or the direction of its motion.

12. States that the total momentum of a system of objects does not change, as long as no outside forces are acting on that system.

13. A situation in which two objects in close contact exchange energy and momentum.

14. The location of a place or an object.

15. A measure of how fast something moves or the distance it moves, in a given amount of time.

16. Speed in a given direction.

17. For every action, there is an equal and opposite reaction.

Down

1. A quantity that has both size and direction.

3. The rate at which velocity changes.

4. An object at rest will stay at rest, and an object in motion will stay in motion at a constant velocity, unless acted upon by an outside force.

6. The change of position over time.

7. An object or point from which motion is determined.

8. A measure of mass in motion; the momentum of an object is the product of its mass and its velocity.

10. $F=MA$