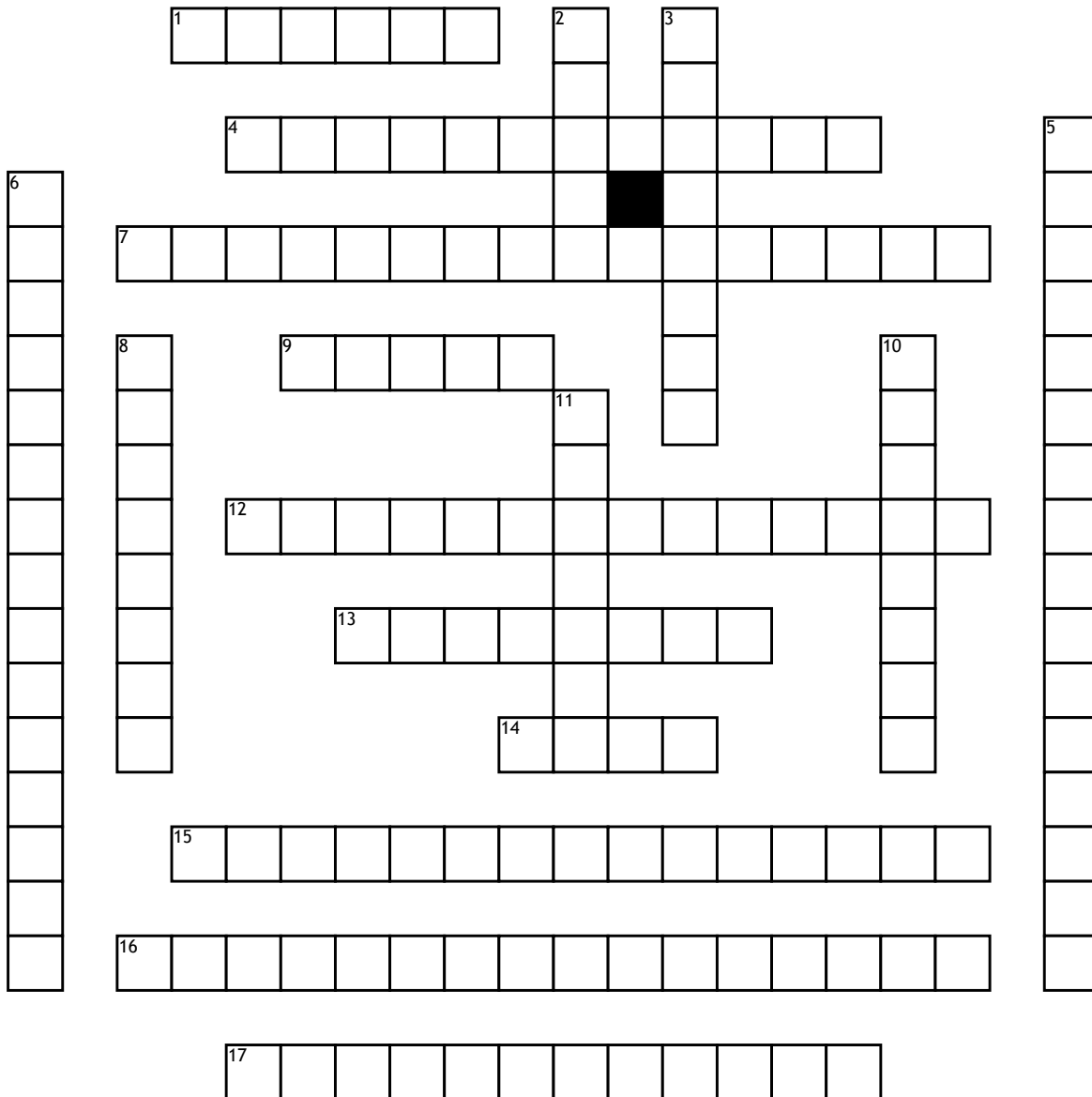


Motion & Forces Vocab



Across

1. A measure of the gravitational force exerted on an object.
4. rate of change of velocity
7. Force equals mass times acceleration
9. The distance an object travels per unit of time
12. Equal forces acting on an object in opposite directions
13. A force that opposes motion between two surfaces that are in contact

14. the amount of matter in an object

15. An object at rest stays at rest and an object in motion stays in motion with the same speed and in the same direction unless acted upon by an unbalanced force.

16. forces acting on an object that combine and form a net force that is not zero

17. total distance divided by total time

Down

2. a push or pull

3. The combination of all forces acting on an object

5. Any two masses exert an attractive force on each other

6. For every action there is an equal and opposite reaction

8. the speed of an object in a particular direction

10. The product of an object's mass and velocity

11. The tendency of an object to resist a change in motion