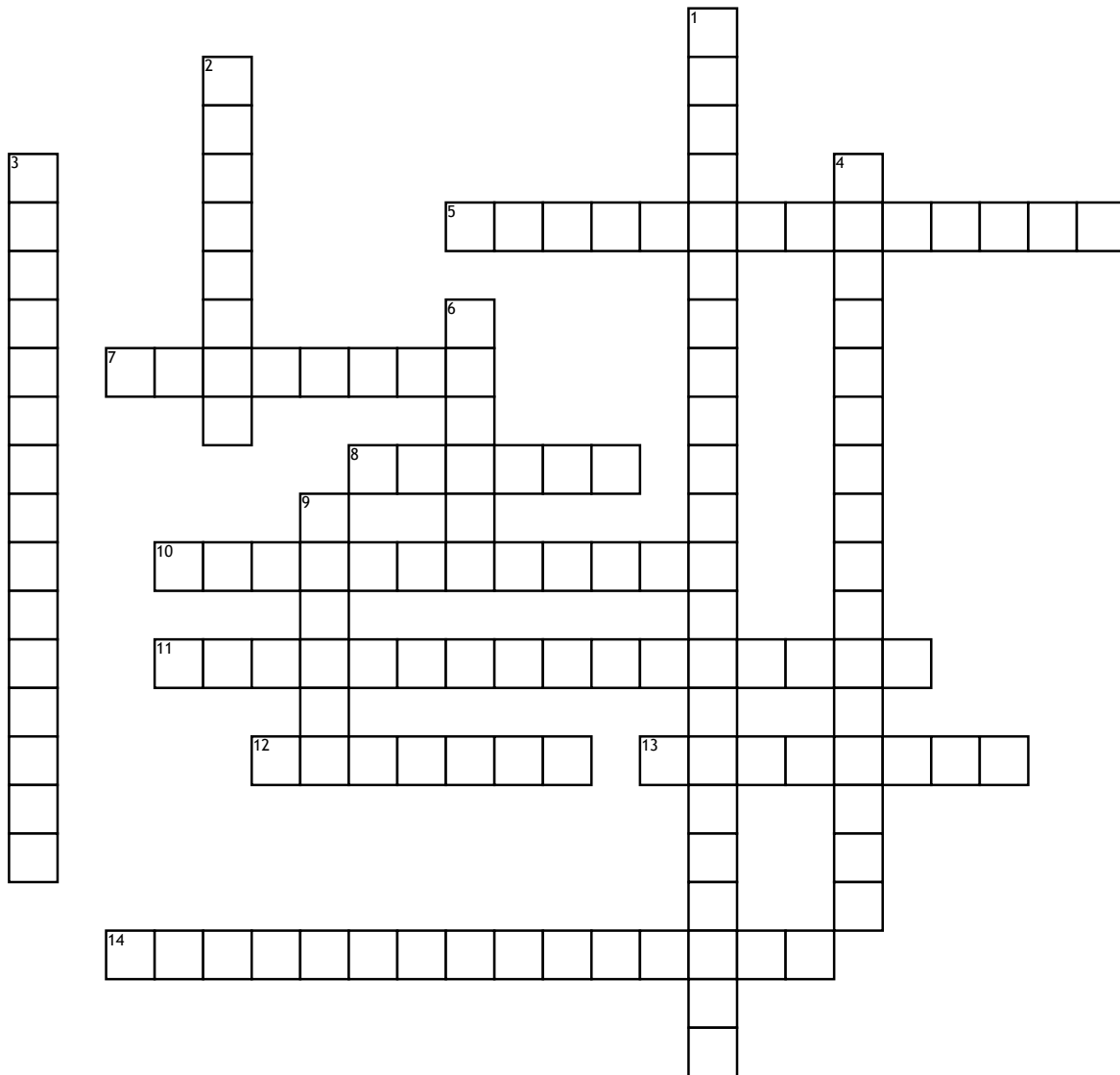


Forces and Motions Vocab



Across

- 5. a basis or standard for evaluation, assessment, or comparison; a criterion.
- 7. The sum of all forces acting upon one object.
- 8. the action or process of moving or being moved.
- 10. Increase in the speed or weight of something.
- 11. a force that acts on a body moving in a circular path and is directed toward the center around which the body is moving.

- 12. a property of matter by which it continues in its existing state of rest or uniform motion in a straight line, unless that state is changed by an external force.
- 13. the quantity of motion of a moving body, measured as a product of its mass and velocity.
- 14. An object in motion tends to stay in motion while an object at rest tends to stay at rest unless acted upon by an outside force.

Down

- 1. a fundamental law of physics which states that the momentum of a system is constant if there are no external forces acting on the system.

- 2. the speed of something in a given direction.
- 3. For every action there is an equal and opposite reaction.
- 4. The net force of an object is equal to the product of its mass times acceleration.
- 6. a quantity having direction as well as magnitude, especially as determining the position of one point in space relative to another.
- 9. The SI unit for force