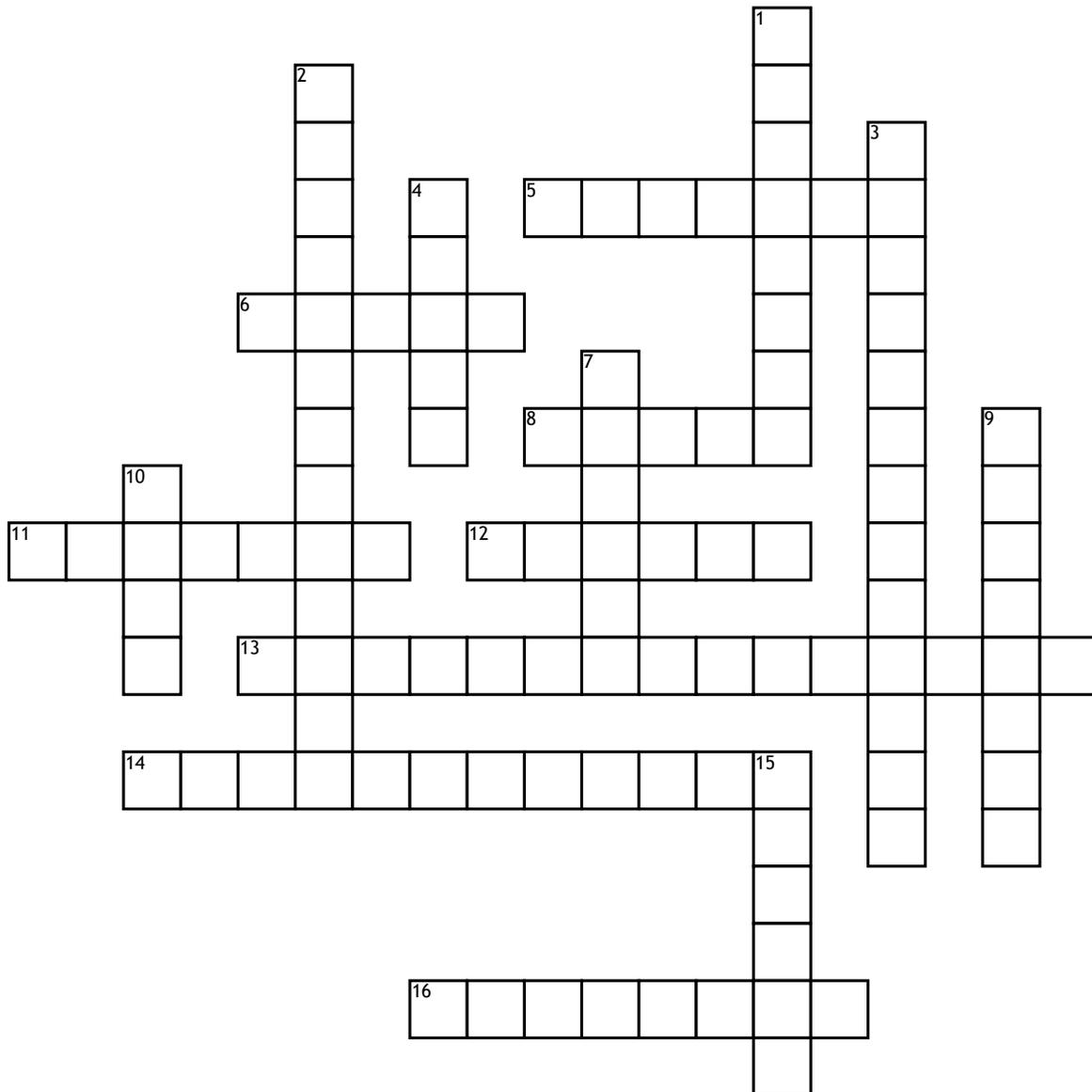


# Forces and Motion Vocab Crossword



**Across**

- 5. 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.
- 6. a device that measures and records the quantity, degree, or rate of something.
- 8. strength or energy as an attribute of physical action or movement.
- 11. the force that attracts a body toward the center of the earth, or toward any other physical body having mass.
- 12. a body's relative mass or the quantity of matter contained by it, giving rise to a downward force; the heaviness of a person or thing.

- 13. force that changes the position, speed or direction of the object to which it is applied.
  - 14. the rate of change of velocity per unit of time.
  - 16. the resistance that one surface or object encounters when moving over another.
- Down**
- 1. an amount of space between two things or people.
  - 2. force that is caused by air.
  - 3. force where two forces of equal size, act on a body, in opposing directions
  - 4. the rate at which someone or something is able to move or operate.
  - 7. change in position compared to a place or an object that is not moving.

- 9. the speed of something in a given direction.
- 10. the quantity of matter which a body contains, as measured by its acceleration under a given force or by the force exerted on it by a gravitational field.
- 15. the SI unit of force. It is equal to the force that would give a mass of one kilogram an acceleration of one meter per second per second, and is equivalent to 100,000 dynes.