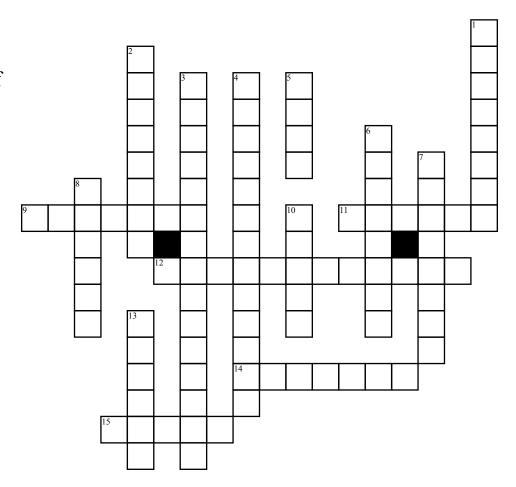
| Name. Date. | Name: | Date: |
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## Newton's Law of Motion

## **Across**

- **9.** The tendency of a body to perserve its state of rest or motion unless acted upon by an external force.
- 11. A unit of measure that equalsthe force required to accelerate 1 kilogram of mass at 1 meter per second per second.
- **12.** Change of velocity or speed.
- **14.** The force of attraction that moves bodies towards the center of the earth.
- **15.** Strength or power exerted/put on an object, a push or pull that causes a change in the motion of an object.





## **Down**

- **1.** The resistance of movement on surfaces that touch.
- **2.** The rate of speed with which something happens.
- **3.** Forces that produce a nonzero net force, which changes an objects motion.
- **4.** Energy that an object has due to its motion.
- **5.** The amount of matter in an object.
- **6.** The product of an objects mass and velocity.

- 7. The overall force on an object when all the individual forces acting on it are added together.
- **8.** A measure of the heaviness of an object.
- 10. Rate of motion.
- **13.** The state in which one object's distance from another is changing.