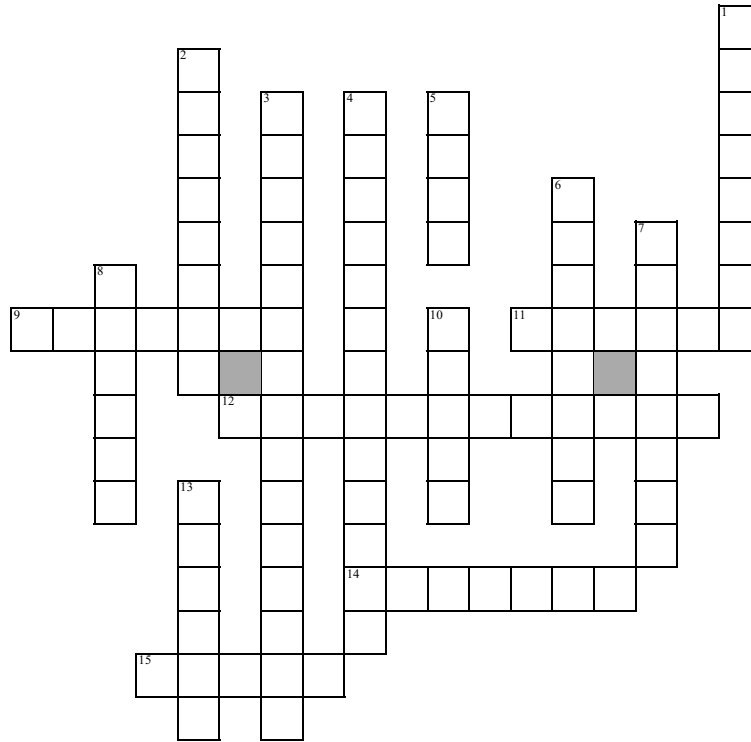


Newton's Law of Motion



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.