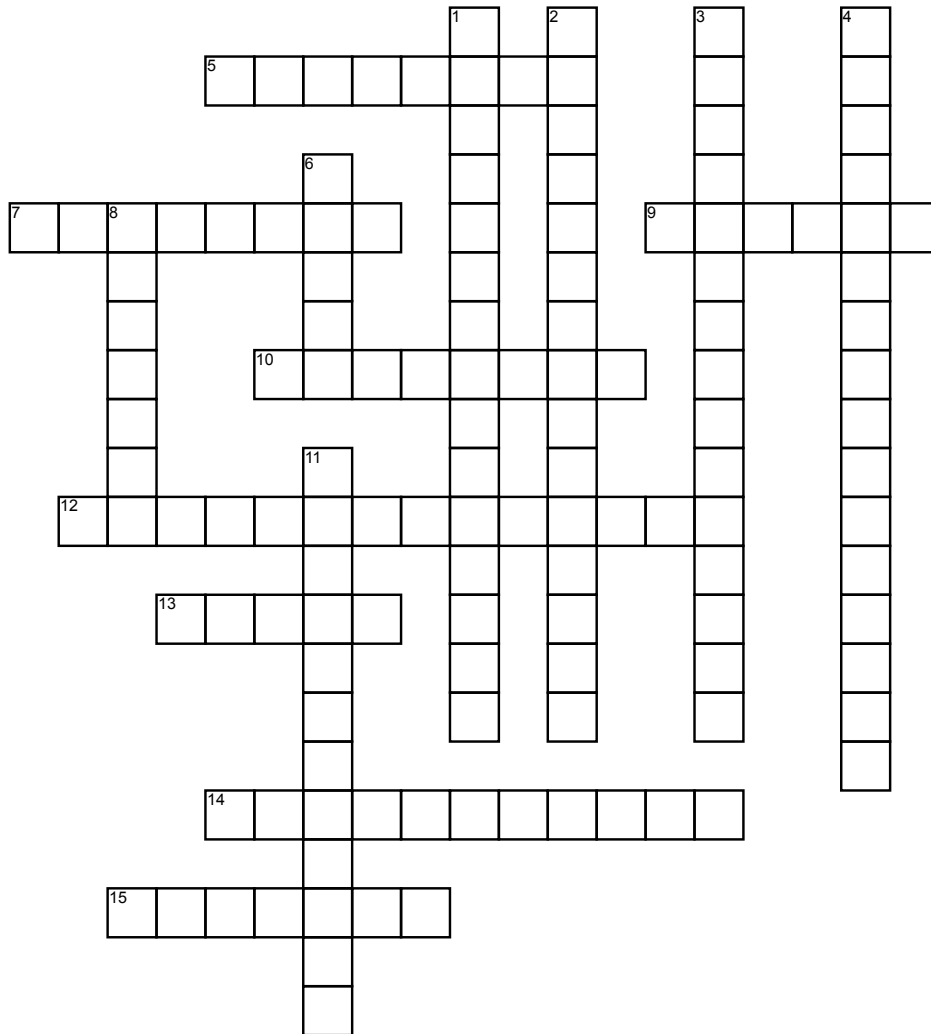


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Forces



## Across

- 5.** The total length of something.  
**7.** A force that resists the sliding motion of two objects touching.  
**9.** The process of changing positions.  
**10.** Speed and direction of a moving object.  
**12.** Force acting on two objects combined that have a netforce of 0.

**13.** The distance an object moves and the amount of time it takes.

**14.** He developed a theory of gravity and motion.

**15.** A force that attracts all objects with mass.

## Down

**1.** Force acting on two objects that have a combined net force that's not 0.

**2.** For every action there's a reaction.

**3.** States that an object at rest stays at rest and an object in motion stays in motion unless acted upon by an unbalanced force.

**4.** Acceleration is equal to the netforce applied divided by mass.

**6.** A push or pull on an object.

**8.** When an object resists a change in motion.

**11.** When velocity changes in a certain amount of time.

## Word Bank

Motion

Friction

Newtons first law

Velocity

Distance

acceleration

Speed

Isaac Newton

Newtons third law

force

unbalanced force

Inertia

Newtons second law

gravity

balanced forces