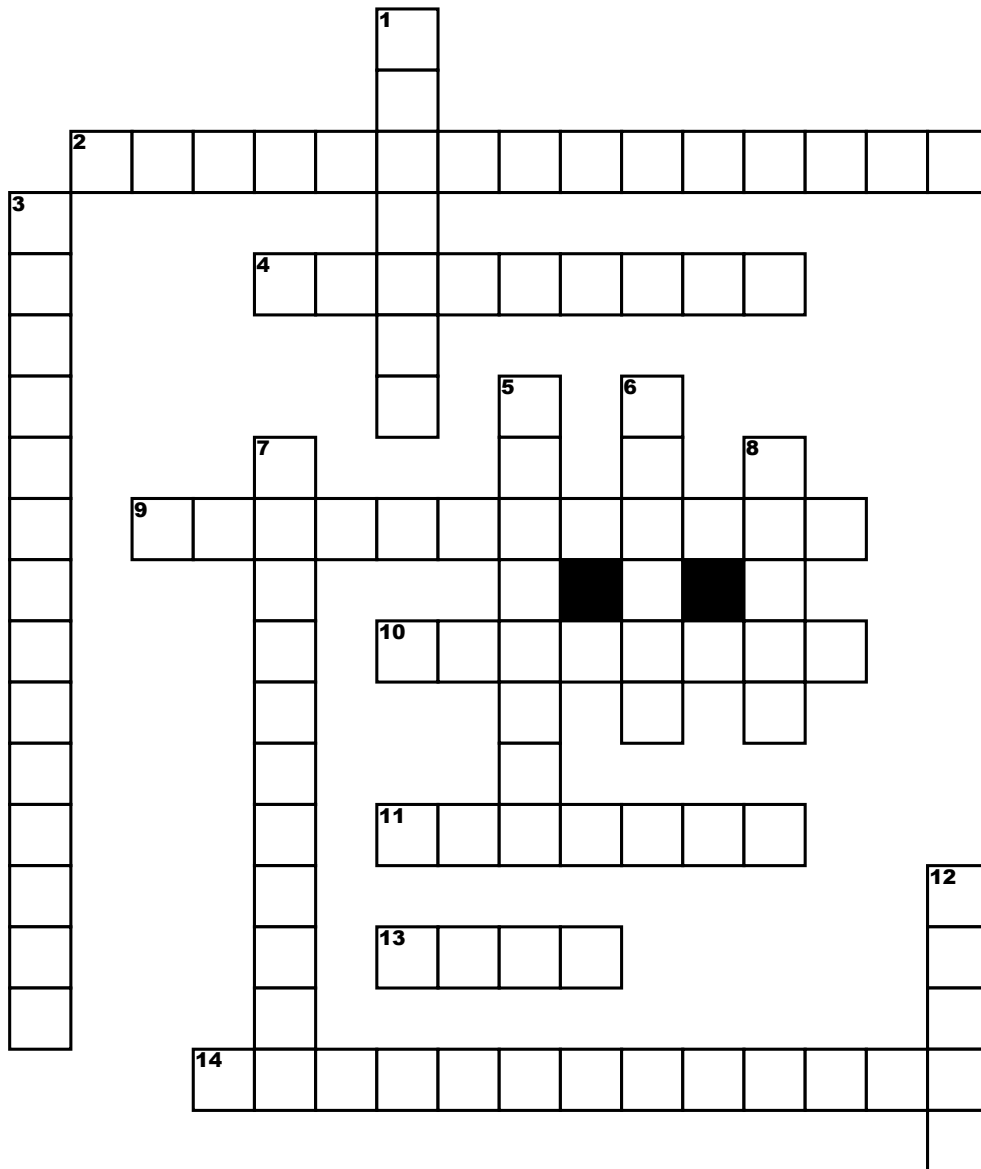


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Newton's Law



## Across

- 2.** when the motion of the object is changed  
**4.** The force that one surface exerts on another when the two surfaces rub against each other  
**9.** how fast something is going or slowing down  
**10.** the overall force when all individual forces are added together  
**11.** the unit of force  
**13.** a large body of matter

- 14.** force exerted by the second object back on the first object

## Down

- 1.** the force that pulls objects back down to the ground  
**3.** Equal forces acting on an object in opposite directions  
**5.** object in motion stays in motion and an object at rest stays at rest unless acted upon by an unbalanced force

- 6.** the act of changing location from one place to another

- 7.** force exerted by the first object on a second object  
**8.** a push or a pull  
**12.** how far something goes measured per units in time