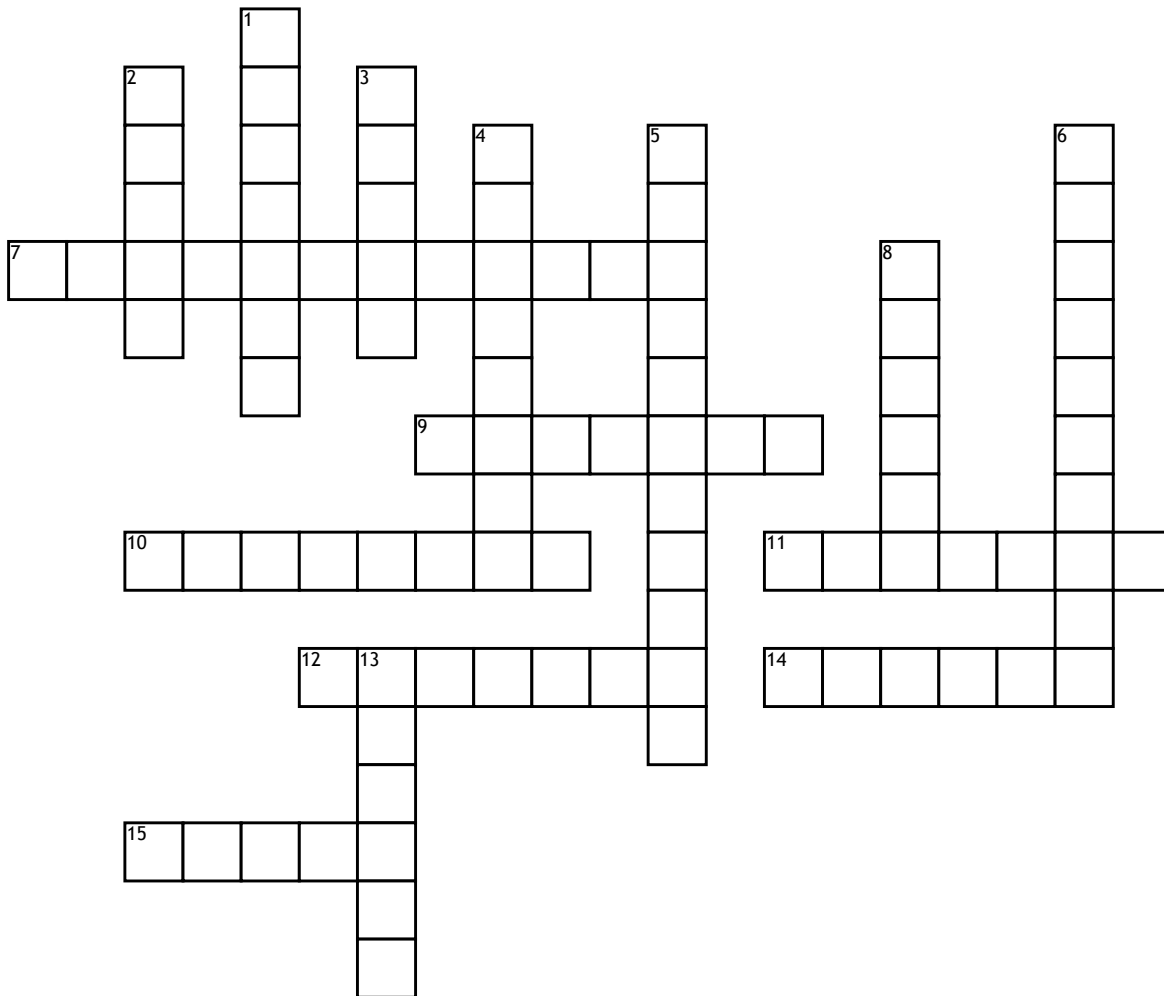


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Newton's Laws



## Across

7. Force = mass times

9. The force of attraction between two masses

10. When both forces are exerted on one object it is a \_\_\_\_\_ force

11. When one object pushes or pulls another object bytoughing it is a \_\_\_\_\_ force

12. The resistance of an object to a change in the speed or the direction of its motion

14. The acceleration of an object increases with increases with increased force and decreases with increased mass is Newton's \_\_\_\_\_ law

15. States that objects at rest remain at rest, and objects remain in motion with the same velocity unless acted upon is Newton's \_\_\_\_\_ law

## Down

1. Italian scientist who conducted friction experiments is Galileo

2. A push or a pull

3. When an object exerts a force on another object, the 2nd objects exerts a force that is equal in size and oposite in direction back on the 1st object is Newton's \_\_\_\_\_ law

4. The overall force acting on an object when all the forces are combined

5. Any force that keeps an object moving in a circle is known as a \_\_\_\_\_ force

6. Only a \_\_\_\_\_ force can change the motion of an object

8. Forces can change the direction of

13. English scientist who studied the effects of forces on objects is Sir Isacc