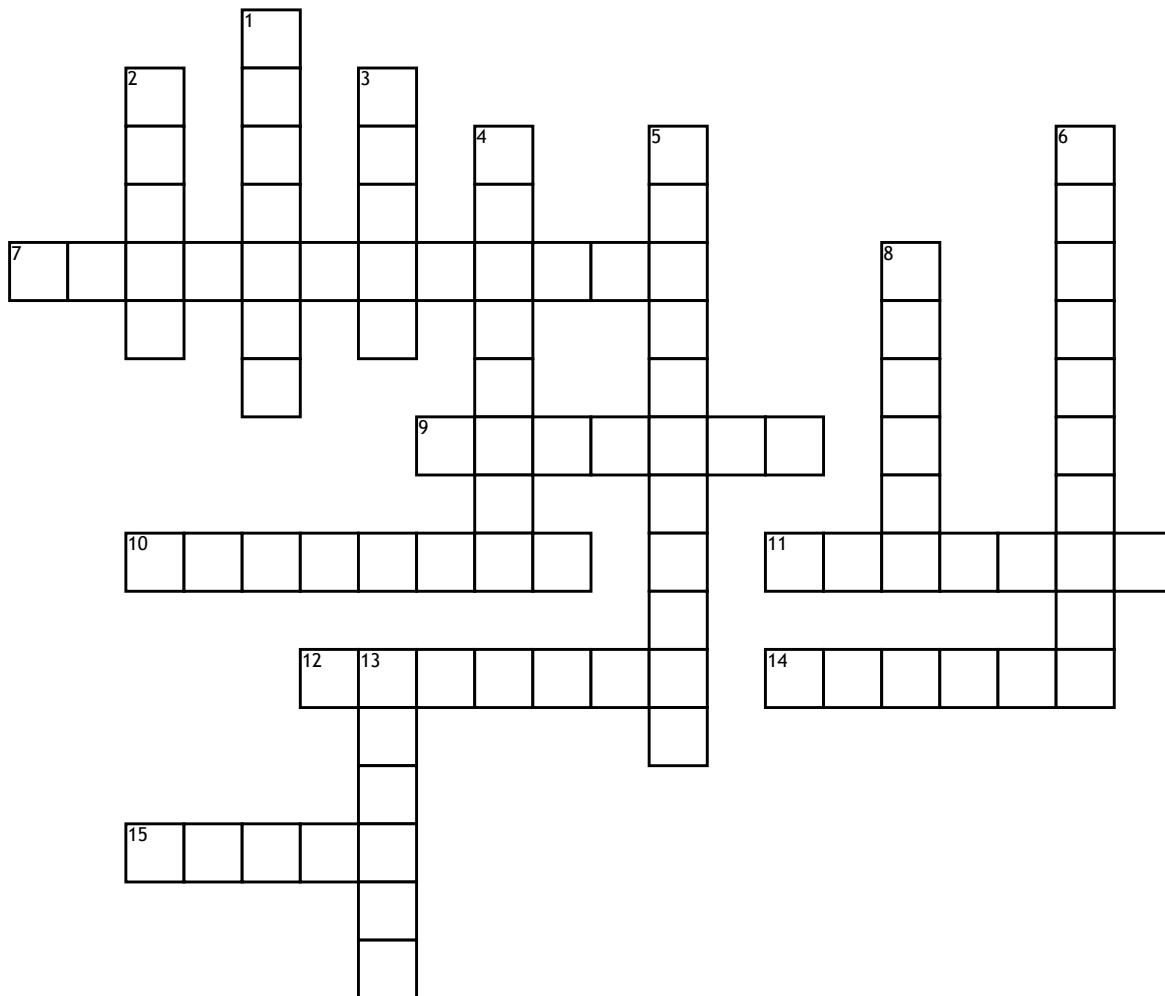


Name: _____

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 by touching 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 object exerts a force that is equal in size and opposite 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 Isaac