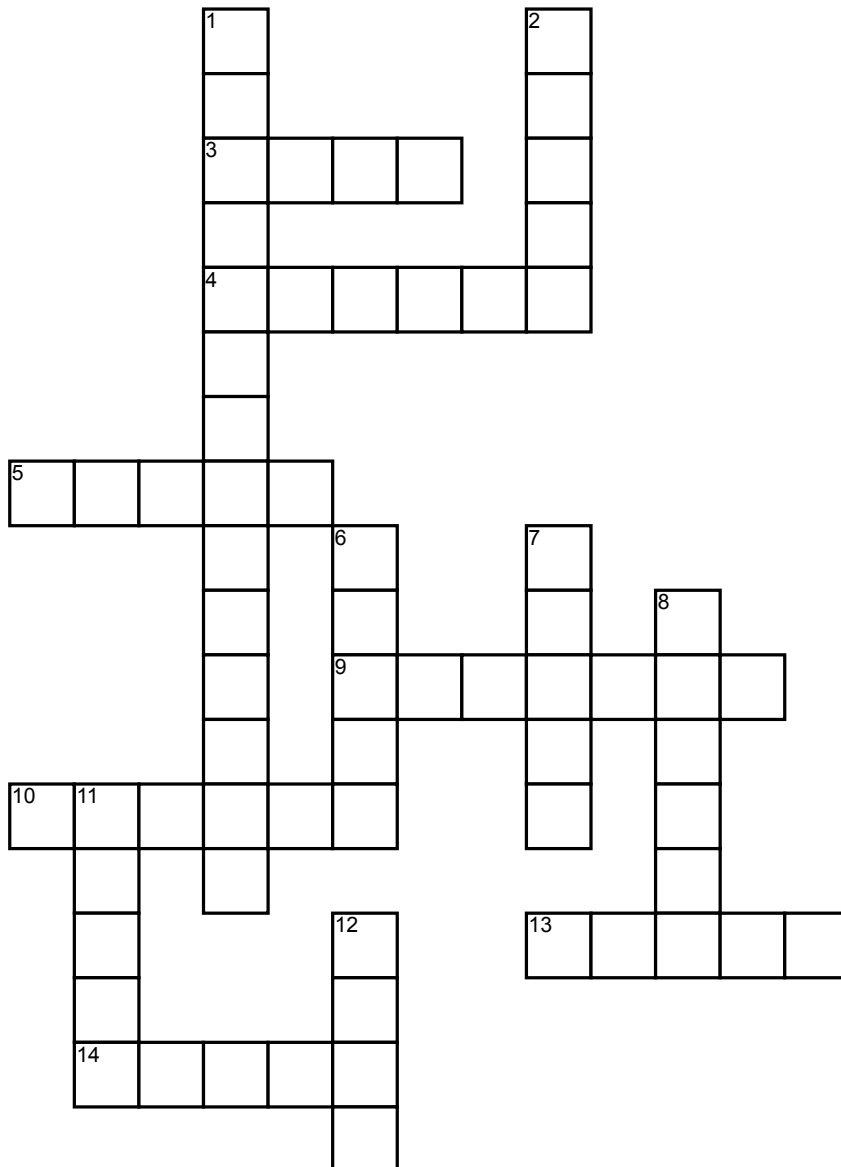


Newton's Laws



Across

- 3. Newton's First Law states that an object at rest remains at _____, unless acted upon by an unbalanced force.
- 4. Newton's Law that is known as the law of acceleration.
- 5. Mass X Acceleration
- 9. The tendency of all objects to resist any change in motion.
- 10. What type of law is this: If the same force is used to push a truck and a car, the car will have more acceleration.

- 13. What type of law is this: A soccer ball will eventually stop when acted on by a player's foot.
- 14. Newton's Second Law states that objects with a _____ mass will have a higher acceleration.

Down

- 1. Who created the three laws relating force and motion?
- 2. Newton's Law that is known as the law of action/reaction.
- 6. What type of law is this: When air releases from a balloon causing it to move upward.

- 7. Newton's Law that is known as the law of inertia.
- 8. Newton's Second Law states that objects applied with a _____ force will have a higher acceleration.
- 11. Newton's Third Law states that the second object exerts an _____ and opposite force on the first.
- 12. A balanced force has a net force of _____.