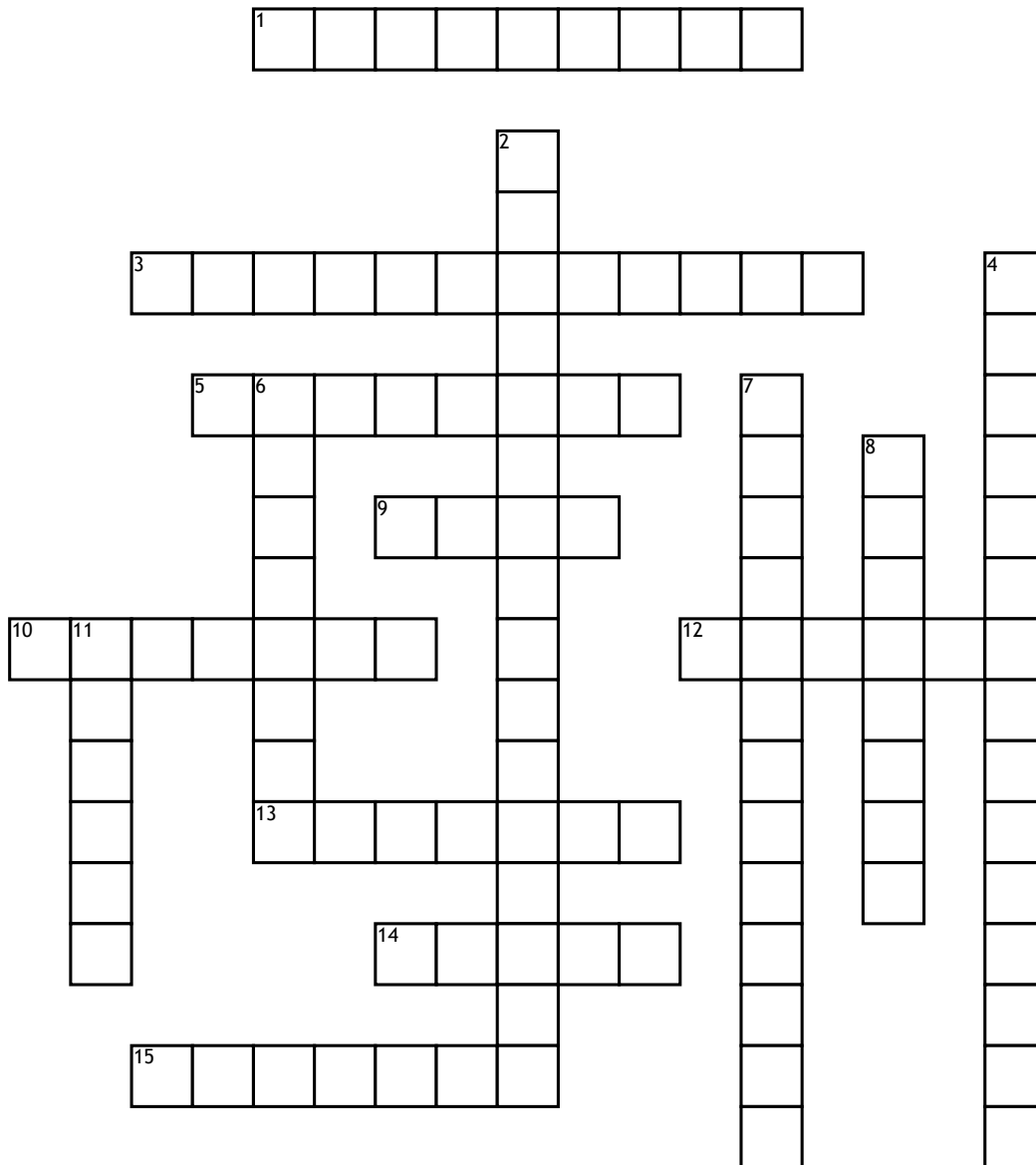


Forces and Newton's Laws



Across

- 1. The SI units for mass
- 3. What is zero when all forces are balanced (no net force)?
- 5. Which force resists motion for a car traveling on a road?
- 9. This force resists motion in air
- 10. Which property of matter causes it to resist changes in velocity?
- 12. Which of Newton's laws gives a relationship between Force and Acceleration?

- 13. What are the SI units of force?
- 14. Which of Newton's laws states that for every external force that acts on an object there is a force of equal magnitude but opposite direction
- 15. In a vacuum, what is the only force acting on a falling object?

Down

- 2. What is the name for the constant speed that an object can reach when falling from a tall height?

- 4. What is the name of the diagram which shows forces acting on an object?
- 6. Any action (force) has an equal and opposite _____ (force)
- 7. An elephant and a feather would fall at the same rate if there was no _____?
- 8. What is constant when all forces are balanced (no net force)?
- 11. What is the name of the force that balances gravity for a book resting on a table?