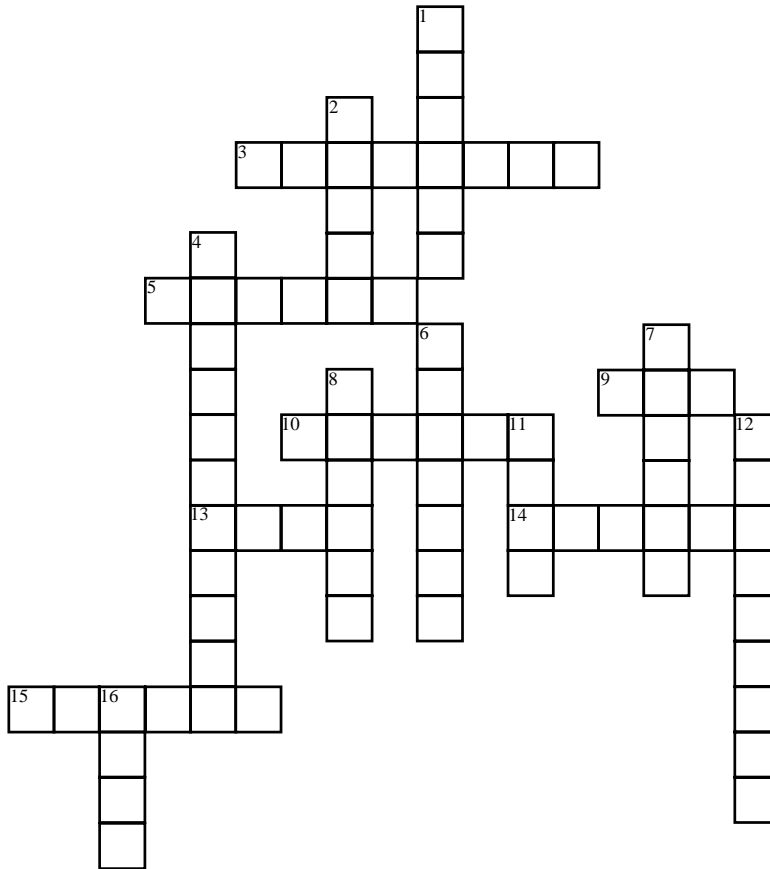


SCIENCE ACTIVITY

Crossword Puzzle

Using the clues provided, complete the puzzle.

Name: _____



Across

3. Newton's _____; for every action force there is an equal and opposite reaction force
5. A force that pulls an aircraft toward the ground; acts against the force of lift in level flight
9. The twisting motion as the nose of a plane turns left or right
10. _____ glider; the configuration of the Wright brothers' glider, which featured a small wing ahead of a large wing
13. A force that pushes perpendicular to the direction of movement
14. _____ ratio; the relationship between the span (length) of an airfoil and its chord (the distance from front to back of the wing)
15. A force that pushes or pulls an aircraft through the air; acts against the force of drag

Down

1. A movable, vertical surface that pivots back and forth to control yaw
2. The tendency of a plane's nose to move up or down
4. _____ Principle; the pressure exerted by a fluid (such as air) decreases as the velocity of the fluid increases
6. Center of _____; the point at which a plane will balance
7. The curvature of a wing
8. Birthplace of Orville Wright and home to both Wright brothers
11. A restraining force parallel to the direction of movement; acts against the force of thrust
12. Location of the Wright brothers' first successful flight
16. The tilting motion of the airplane when one wing rises or falls in relation to the other