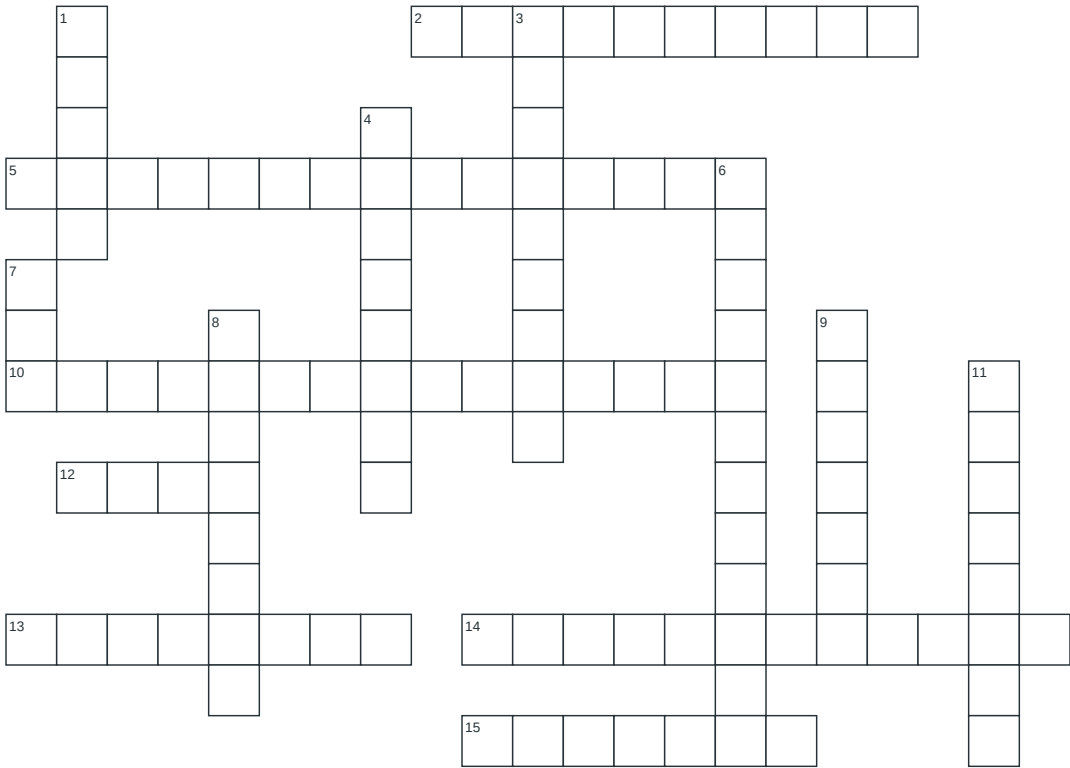


Projectile Motion Crossword

Medium | 15 clues | Student Worksheet

Name: _____ Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

- 2. Approximate value is commonly used for gravitational acceleration near Earth's surface
- 5. SI-derived unit commonly used to measure speed or velocity.
- 10. At equal launch and landing heights with no drag and fixed launch speed, which angle gives maximum range
- 12. State in which position does not change relative to a chosen reference point.
- 13. The total length of a traveled path
- 14. Change in velocity per unit time.
- 15. In the ideal near-Earth projectile model, which force acts after launch when air resistance is neglected

DOWN

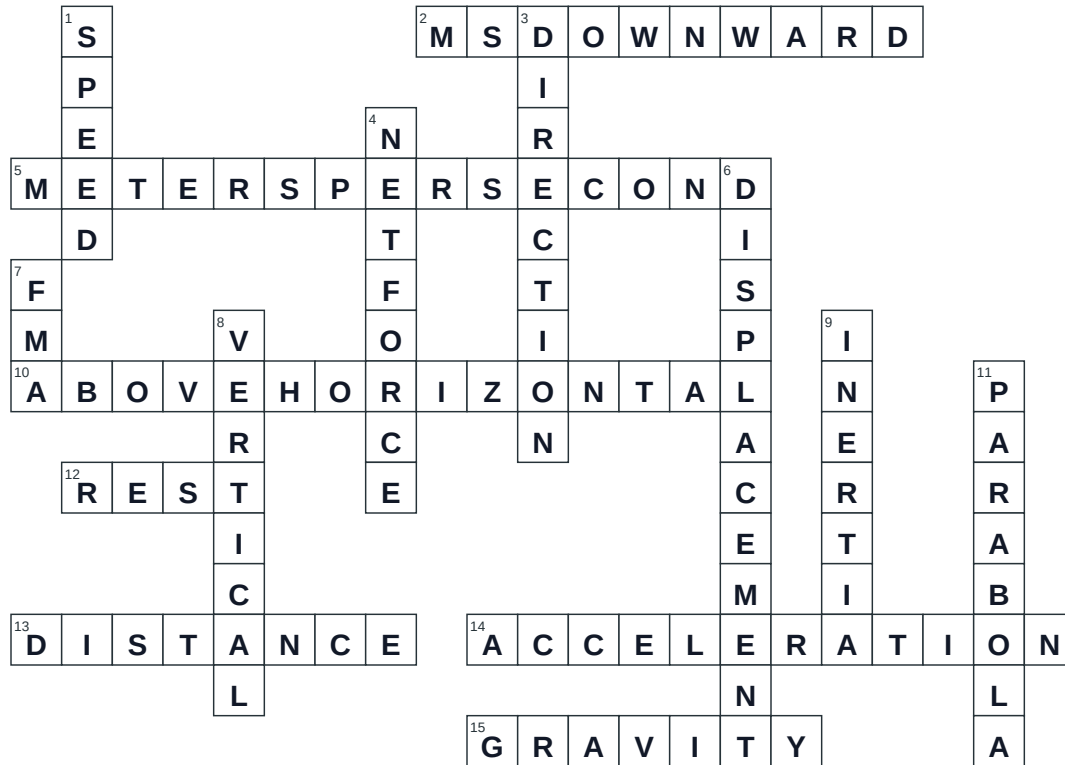
- 1. Quantity that is a scalar
- 3. Orientation of motion, needed to describe a velocity vector.
- 4. The vector sum of all forces acting on an object
- 6. The directed change from initial to final position
- 7. Relationship that expresses Newton's second law for constant mass
- 8. At the highest point of an upward launch, which velocity component is zero
- 9. Resistance to changes in motion
- 11. Shape is an ideal projectile's path under constant downward gravity

Projectile Motion Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

2. 9.8 M/s² Downward
5. Meters per second
10. 45° Above Horizontal
12. Rest
13. Distance
14. Acceleration
15. Gravity

DOWN

1. Speed
3. Direction
4. Net Force
6. Displacement
7. F = ma
8. Vertical
9. Inertia
11. Parabola