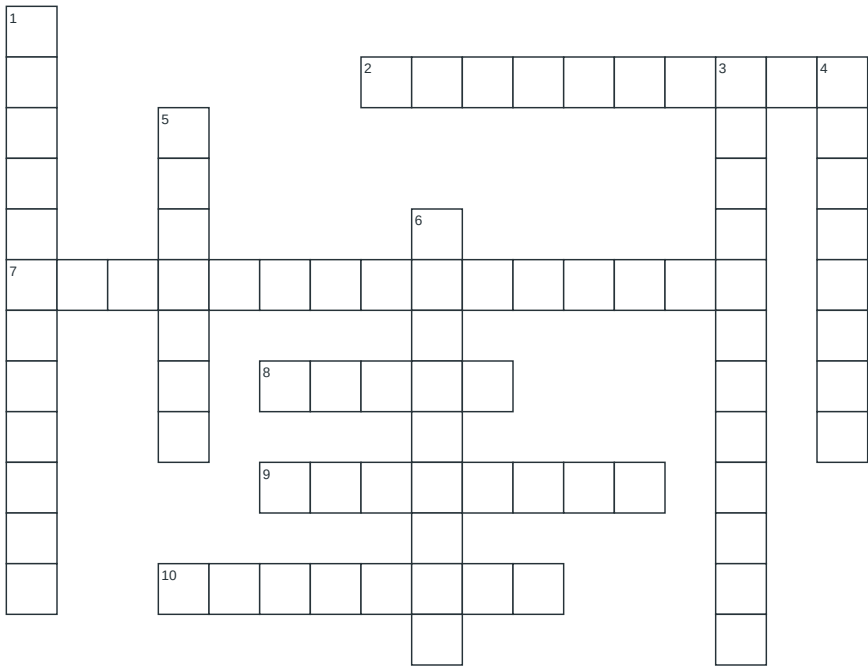


Projectile Motion Crossword

Easy | 10 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
- 7. At equal launch and landing heights with no drag and fixed launch speed, which angle gives maximum range
- 8. Quantity that is a scalar
- 9. At the highest point of an upward launch, which velocity component is zero
- 10. Shape is an ideal projectile's path under constant downward gravity

DOWN

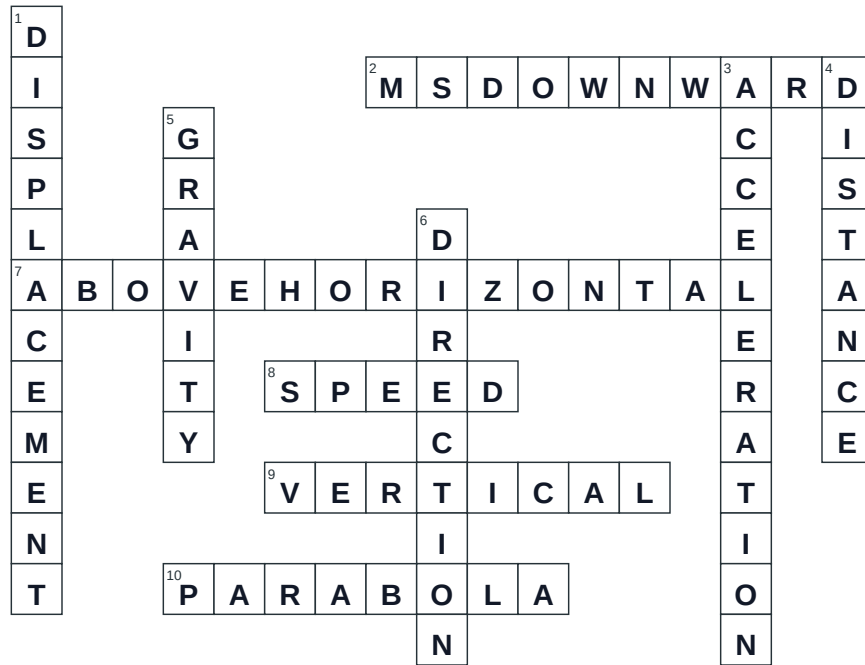
- 1. The directed change from initial to final position
- 3. Change in velocity per unit time.
- 4. The total length of a traveled path
- 5. In the ideal near-Earth projectile model, which force acts after launch when air resistance is neglected
- 6. Orientation of motion, needed to describe a velocity vector.

Projectile Motion Crossword

Easy | 10 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
7. 45° Above Horizontal
8. Speed
9. Vertical
10. Parabola

DOWN

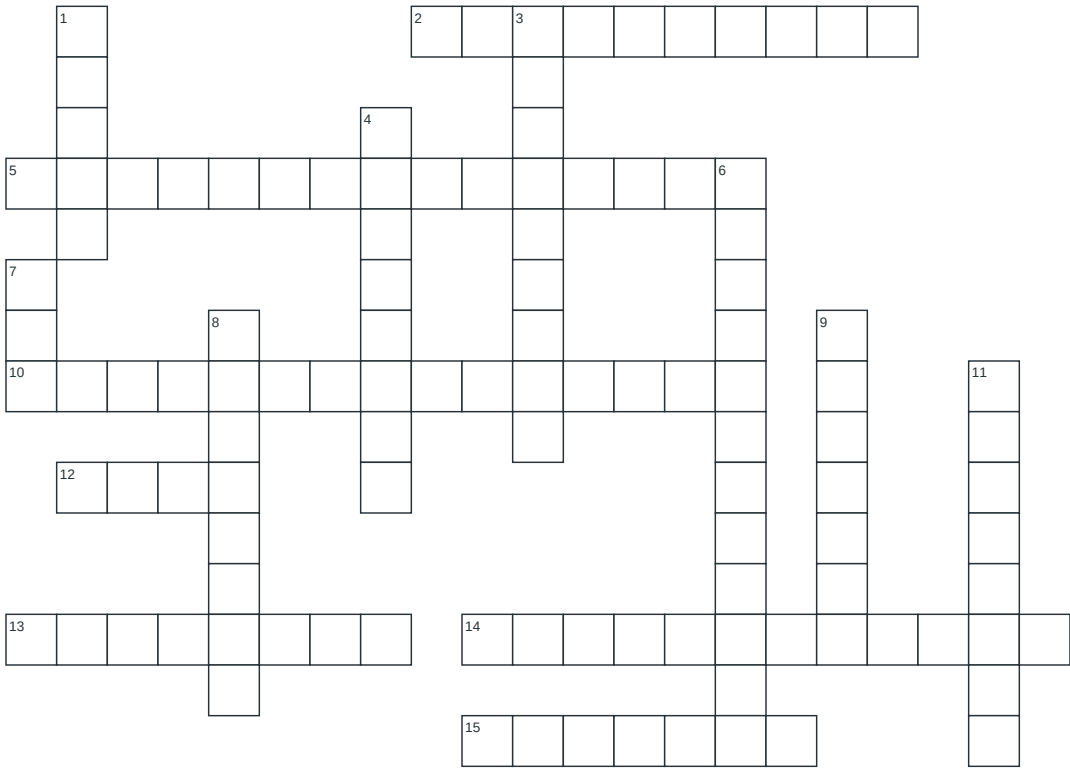
1. Displacement
3. Acceleration
4. Distance
5. Gravity
6. Direction

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

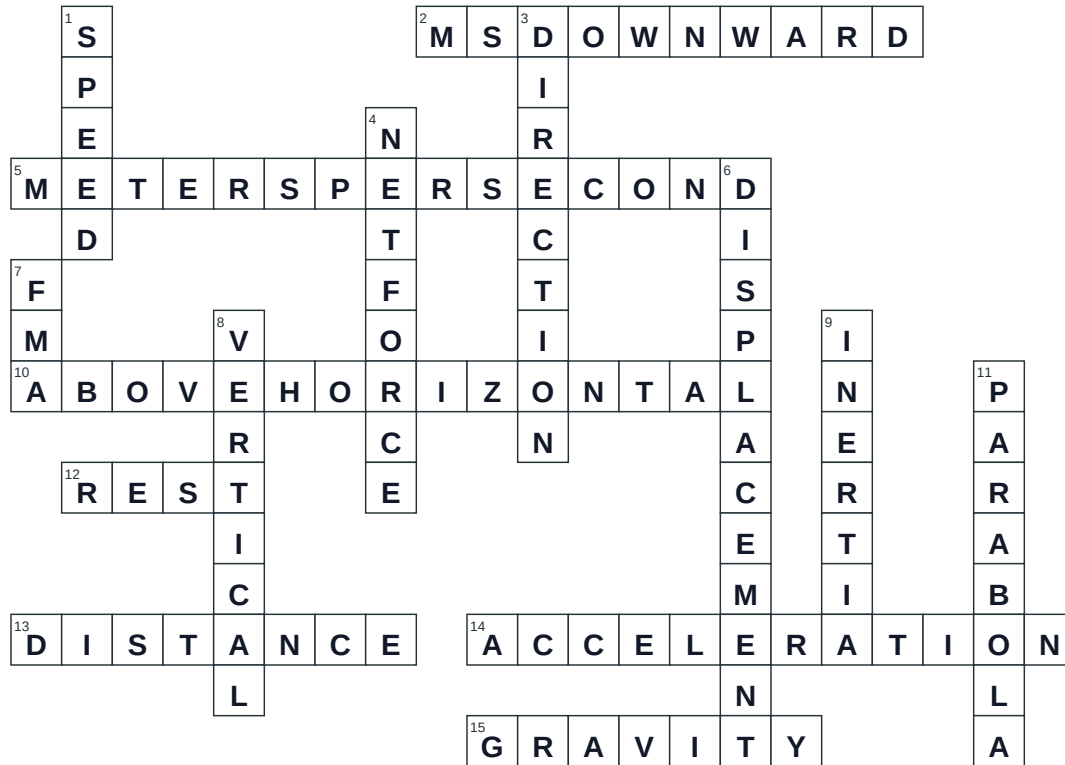
- 1. Quantity that is a scalar
- 3. Orientation of motion, needed to describe a velocity vector.
- 4. The vector sum of all forces acting on an object
- 6. The directed change from initial to final position
- 7. Relationship that expresses Newton's second law for constant mass
- 8. At the highest point 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

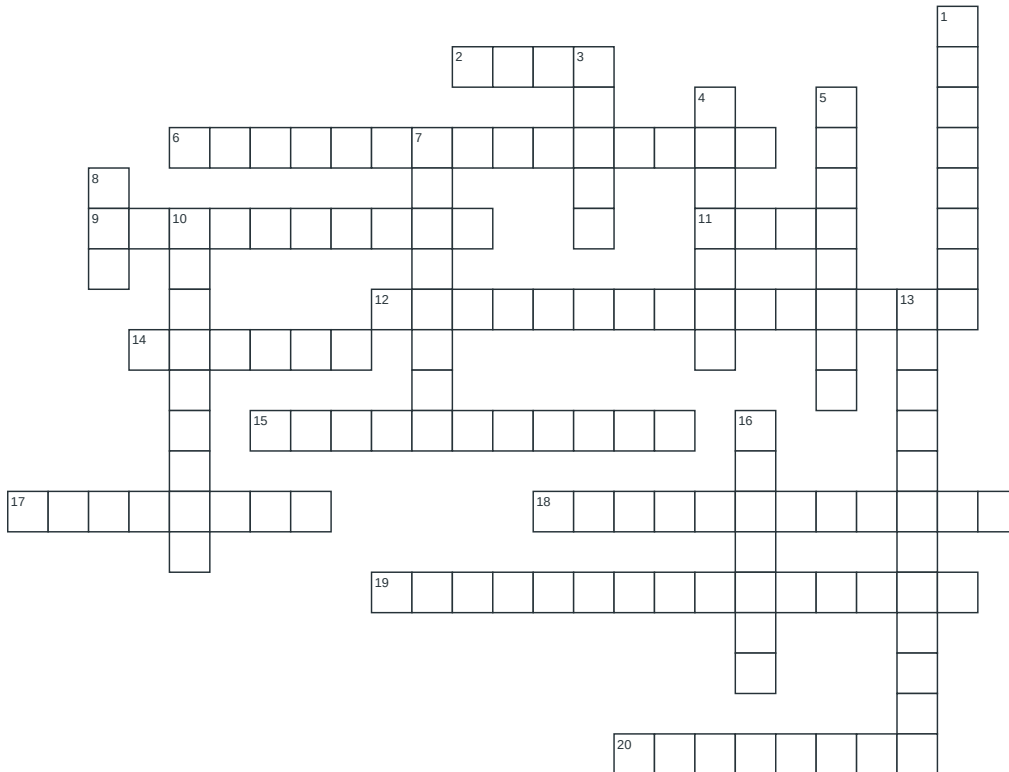
Projectile Motion Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

2. Measure of the amount of matter in an object.
6. SI-derived unit commonly used to measure speed or velocity.
9. Approximate value is commonly used for gravitational acceleration near Earth's surface
11. State in which position does not change relative to a chosen reference point.
12. At equal launch and landing heights with no drag and fixed launch speed, which angle gives maximum range
14. The gravitational force acting on an object
15. Force that is a surface's push perpendicular to that surface
17. The vector sum of all forces acting on an object
18. The directed change from initial to final position
19. Forces between interacting objects are equal in magnitude and opposite in direction.

ACROSS (continued)

20. Force that opposes relative motion between surfaces in contact.

DOWN

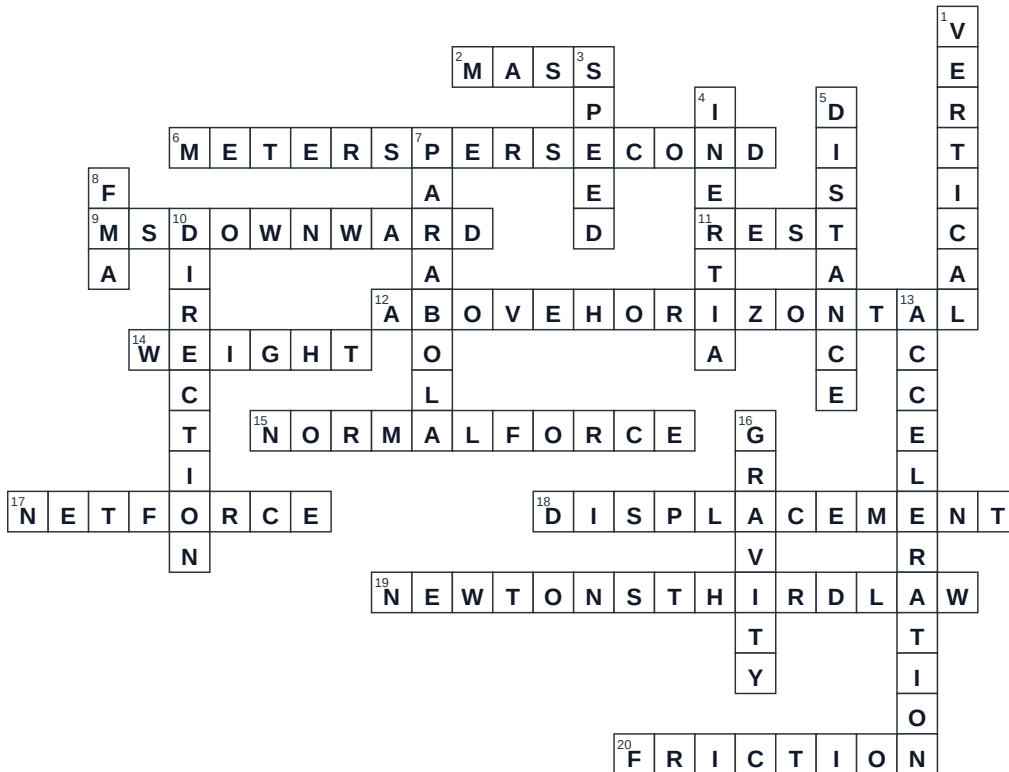
1. At the highest point of an upward launch, which velocity component is zero
3. Quantity that is a scalar
4. Resistance to changes in motion
5. The total length of a traveled path
7. Shape is an ideal projectile's path under constant downward gravity
8. Relationship that expresses Newton's second law for constant mass
10. Orientation of motion, needed to describe a velocity vector.
13. Change in velocity per unit time.
16. In the ideal near-Earth projectile model, which force acts after launch when air resistance is neglected

Projectile Motion Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Mass
6. Meters per second
9. 9.8 M/s² Downward
11. Rest
12. 45° Above Horizontal
14. Weight
15. Normal Force
17. Net Force
18. Displacement
19. Newton's third law
20. Friction

DOWN

1. Vertical
3. Speed
4. Inertia
5. Distance
7. Parabola
8. F = ma
10. Direction
13. Acceleration
16. Gravity