

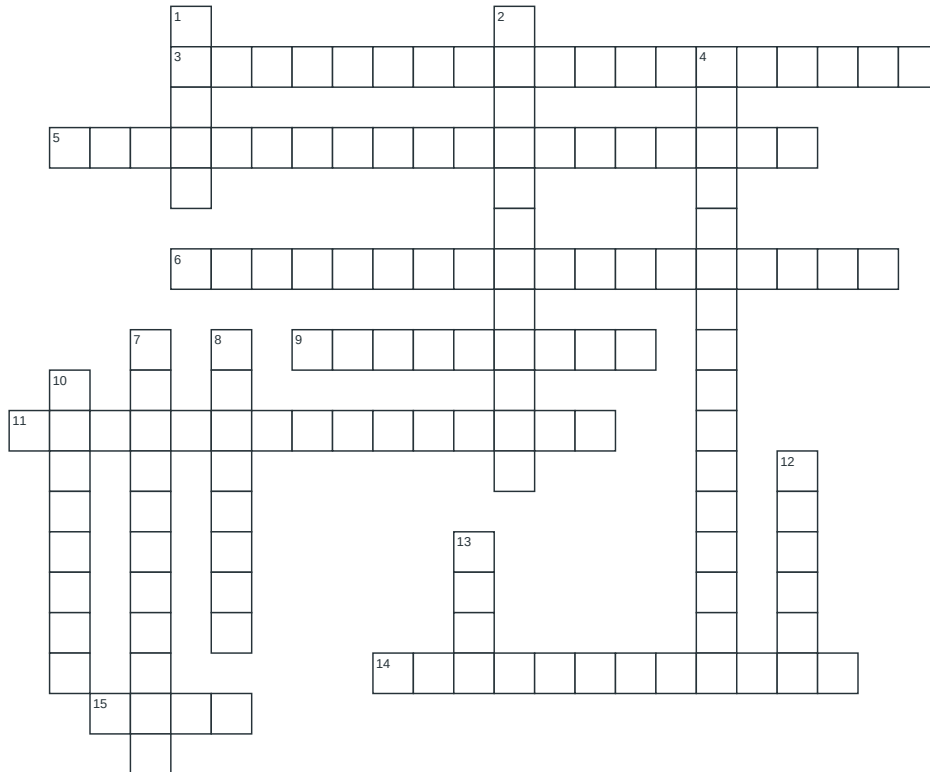
Modern Physics Fundamentals Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

3. Emission of electrons from a material after light transfers sufficient energy
5. Quantum objects can display both wave-like and particle-like behavior
6. Predicts likelihoods of measurement outcomes
9. Orientation of motion, needed to describe a velocity vector.
11. SI-derived unit commonly used to measure speed or velocity.
14. The directed change from initial to final position
15. State in which position does not change relative to a chosen reference point.

DOWN

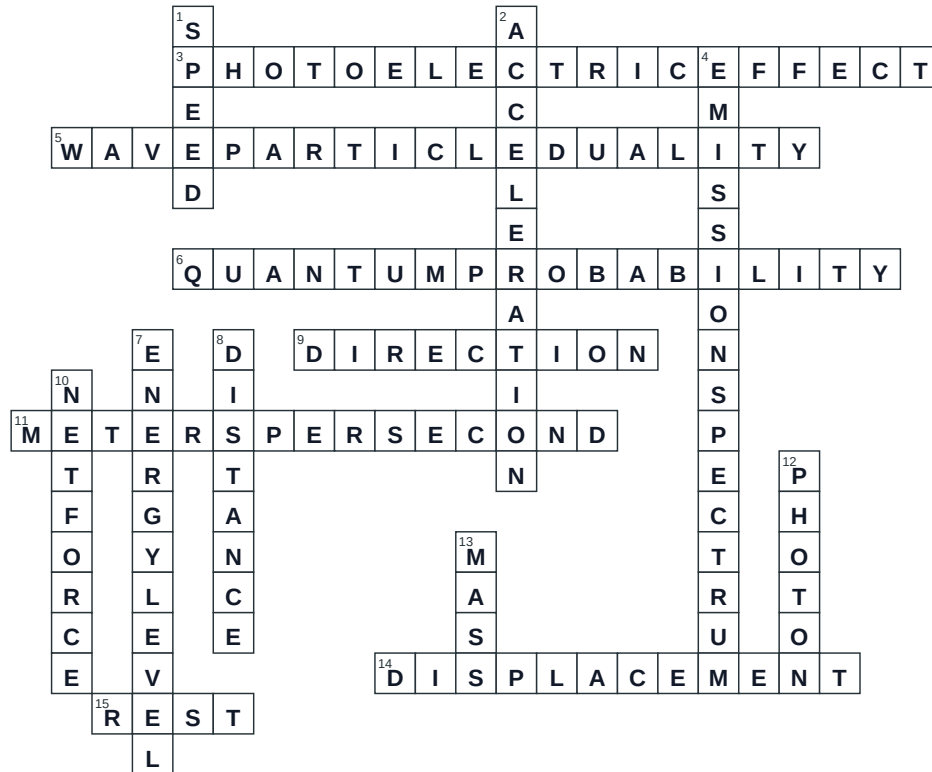
1. Quantity that is a scalar
2. Change in velocity per unit time.
4. Specific wavelengths of light emitted by excited atoms
7. An electron can occupy certain allowed energies
8. The total length of a traveled path
10. The vector sum of all forces acting on an object
12. Quantum, or discrete packet, of electromagnetic energy
13. Measure of the amount of matter in an object.

Modern Physics Fundamentals Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

3. Photoelectric Effect
5. Wave-particle Duality
6. Quantum Probability
9. Direction
11. Meters per second
14. Displacement
15. Rest

DOWN

1. Speed
2. Acceleration
4. Emission Spectrum
7. Energy Level
8. Distance
10. Net Force
12. Photon
13. Mass