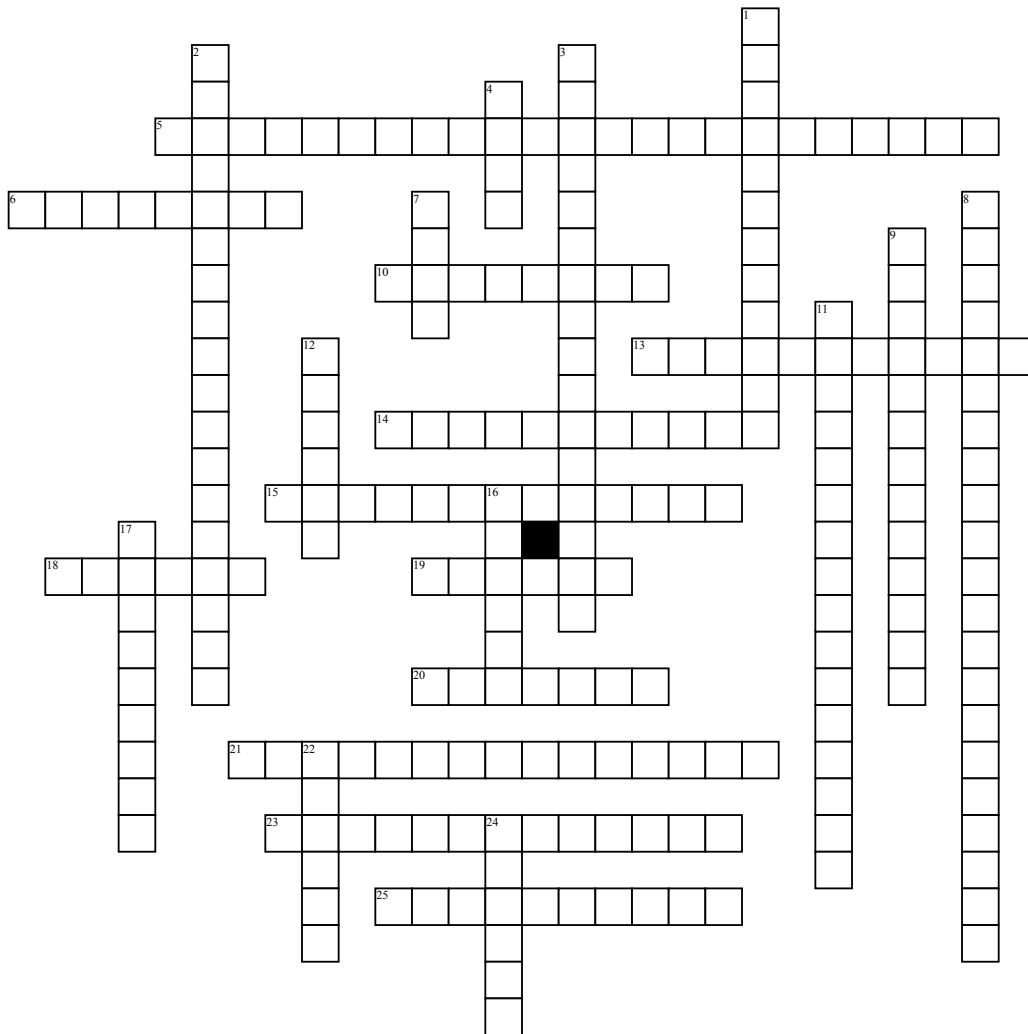


Physics Crossword



Across

5. The acceleration of an object moving in a circle toward the center
 6. The only force acting on an object is the force due to gravity
 10. the force between surfaces that opposes one sliding on the other
 13. to fluctuate back and forth in a steady beat
 14. change in shape due to application of force
 15. The acceleration of an object is directly proportional to the net force and inversely proportional to its mass
 18. A reaction force that pushes a body forward in response to a backward force
 19. turning or twisting effectiveness of a force

20. The pulling force that acts along a stretched flexible connector

21. A sketch showing all of the external forces acting on an object or system
 23. A body is at rest or moving at a constant speed in a straight line, it will remain at rest
 25. Electromagnetic waves with wavelengths in the range

Down

1. The rate at what an objects velocity changes over a period of time
 2. a collision in which internal kinetic energy is not conserved
 3. The difference between the final and initial momentum
 4. the quantity of matter in a substance, measured in kilograms

7. the transfer of energy by a force that causes an object to be displaced

8. The motion of an object to a circular path at constant speed
 9. there's always and equal and opposite reaction
 11. a collision that conserves internal kinetic energy
 12. defined by the boundaries of an object or collection of objects being observed
 16. change in length to an original length
 17. The number of complete wave cycles passing a given point within one second
 22. The ability to do work
 24. ratio of force to area

Word Bank

Mass	Acceleration	Centripetal Acceleration	Newton's 2nd Law	Elastic collision
Friction	Newton's 1st Law	Free-fall	Frequency	Newton's 3rd Law
Tension	Inelastic collision	Thrust	Torque	work
Energy	Oscillation	Microwaves	change in momentum	Deformation
strain	Uniform circular motion	stress	System	Free-body diagram