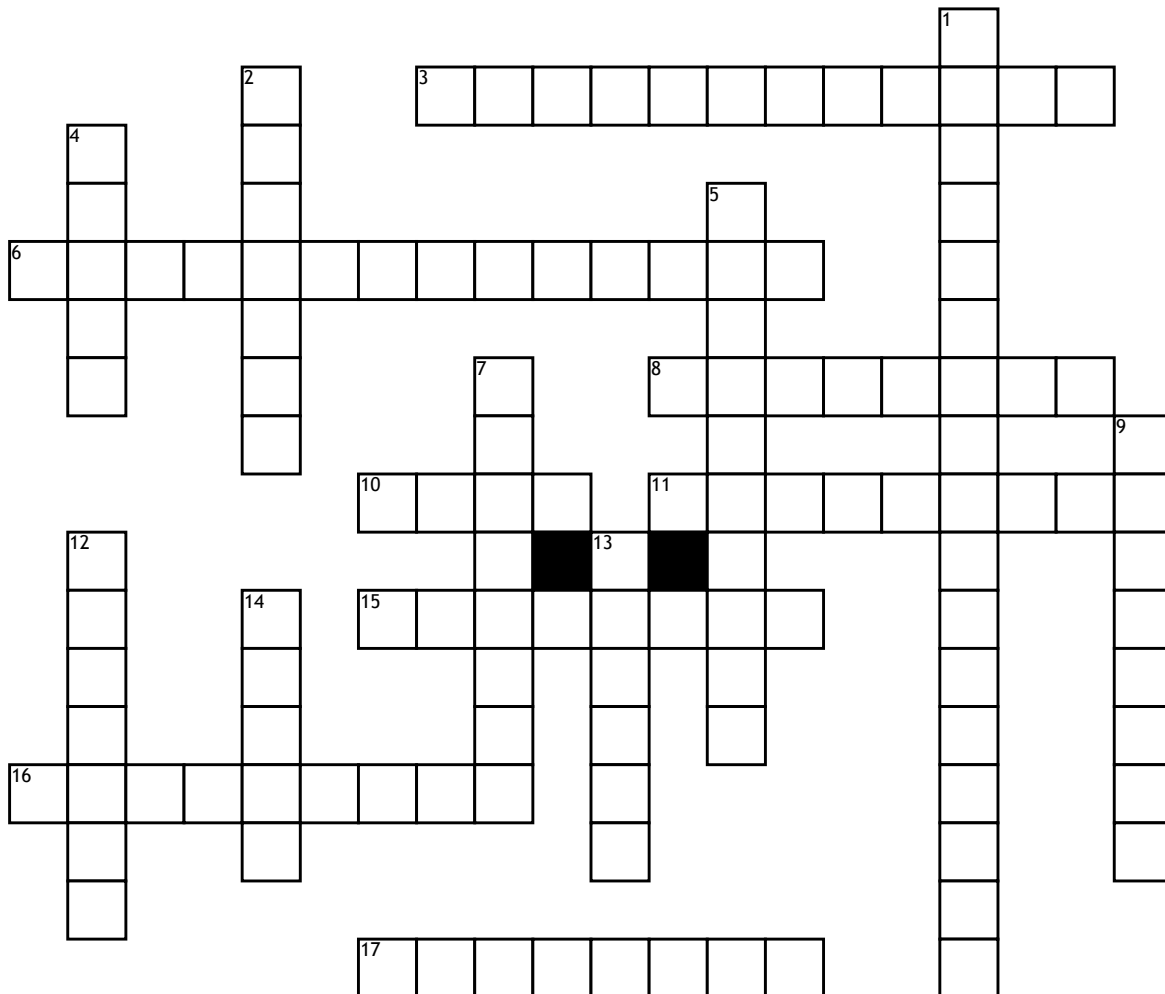


Object Motion



Across

3. Change in velocity over time
 6. The place from which position and/or speed is being measured
 8. Forces that are equal in magnitude, but opposite in direction (Net Force=0)
 10. The amount of matter in an object; measured in grams (g) or kilograms (kg)
 11. The strength or size of a force

15. The total unbalanced force acting on an object
 16. The straight-line path from an object to a reference point (N,E,S,W)
 17. A force that opposes motion and creates heat (thermal) energy

Down

1. Shows an object's change in position over time
 2. An object wants to keep moving the way it is moving

4. Distance divided by time
 5. Forces that have unequal magnitudes and/or directions
 7. The direction and distance from a point of reference
 9. Speed with direction
 12. Force of attraction between objects with mass
 13. A change in position over time relative to a reference point
 14. A push or a pull that can change an object's motion