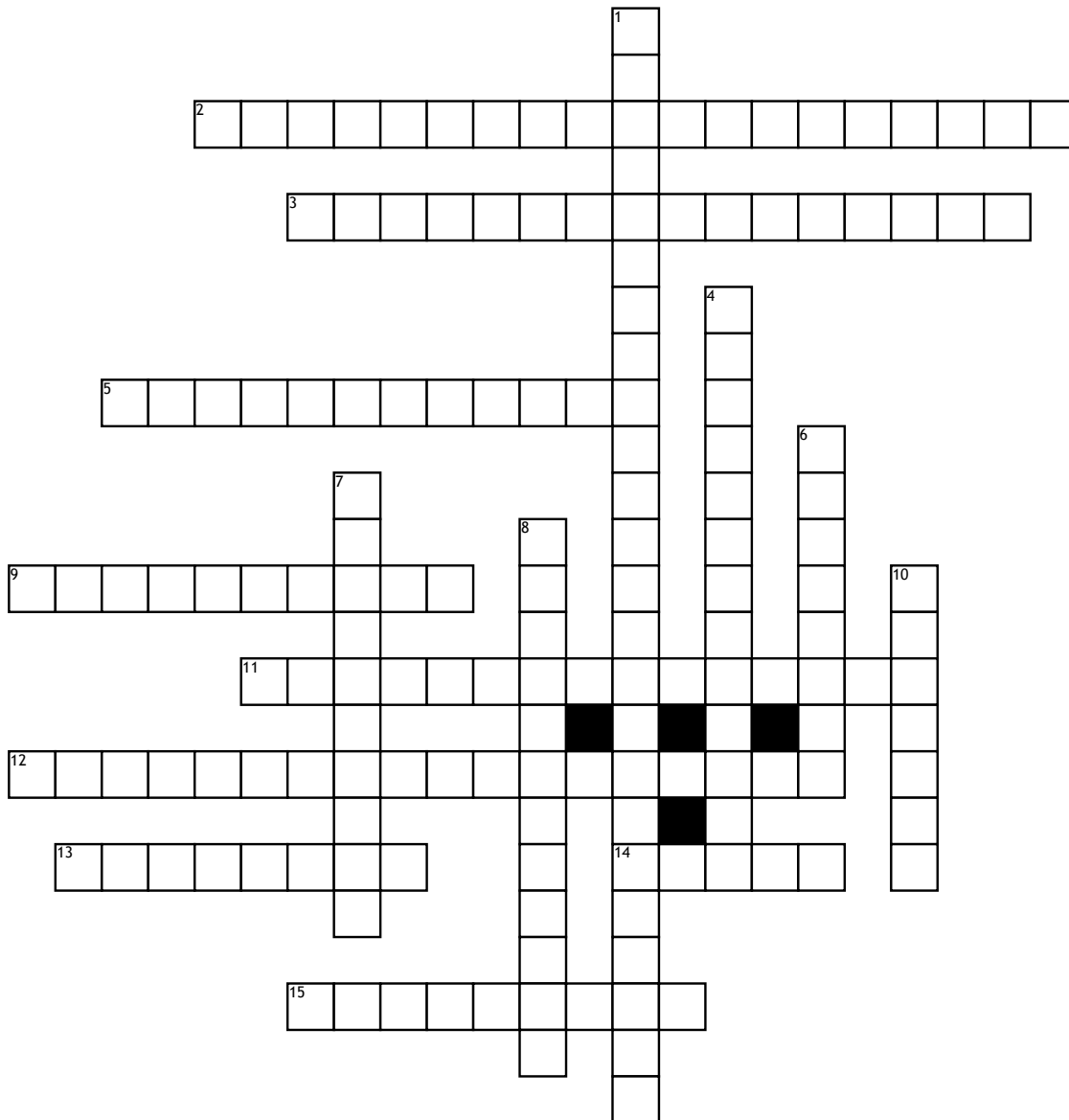


2D Motions



Across

- 2. also known as constant acceleration
- 3. increases at a rate of 9.8 m/s/s as the object falls downward
- 5. a vector quantity that points between the initial position and final position of an object in a particular frame of reference
- 9. the path described by an object moving due to a force or forces
- 11. calculated as the quotient of the displacement and the time interval

- 12. is constant all throughout the motion of a projectile
- 13. a situation in which gravity is the only force acting on an object
- 14. the horizontal distance a projectile travels
- 15. the path taken by a projectile looks like _____

Down

- 1. acceleration of an object towards the center of the planet due to the gravitational attraction of the mass of the planet on the object
- 4. moving at constant velocity

- 6. the rate of change of position of an object in a particular direction
- 7. an object that is given an initial thrust and allowed to move through space under the force of gravity
- 8. the rate of change of velocity of an object
- 10. the study of the relationships between matter and energy