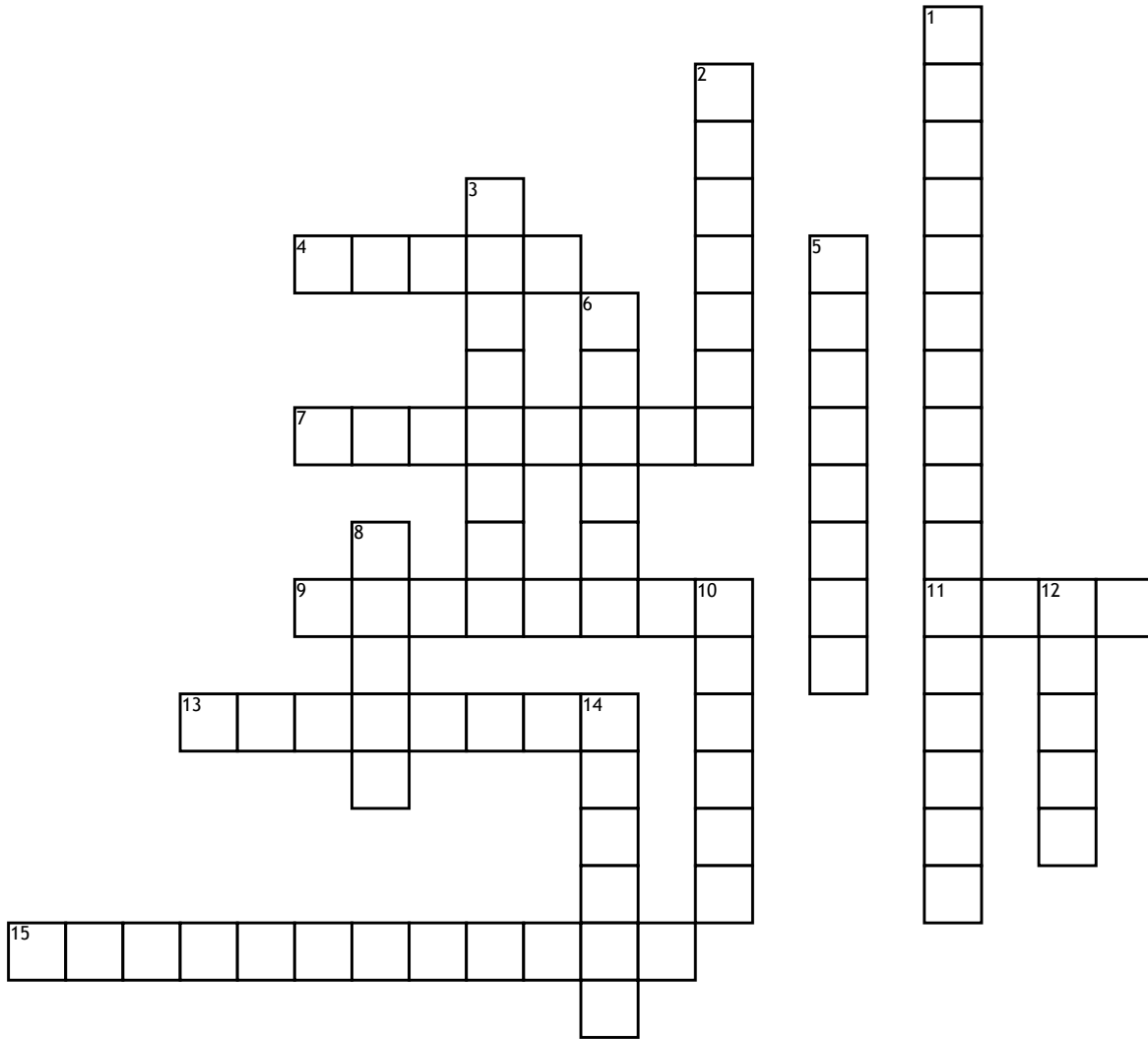


Physical Science Cayden



Across

- 4. the rate at which work is done or energy is transformed
- 7. the speed of an object in a particular direction
- 9. a quantity defined as the product of the mass and velocity of an object
- 11. a measure of the amount of matter in an object
- 13. a force that opposes motion between two surfaces that are in contact

- 15. the rate at which velocity changes over time an object accelerates if its speed direction or both change

Down

- 1. the curved path that an object follows when thrown launched or otherwise projected near the surface of earth
- 2. a force of attraction between objects that is due to their masses
- 3. the combination of all of the forces acting on an object
- 5. the motion of a body when only the force of gravity is acting on the body

- 6. a measure of the gravitational force exerted on an object its value can change with the location of the object in the universe
- 8. a push or a pull exerted on an object in order to change the motion of the object force has size and direction
- 10. an object's change in position relative to a reference point
- 12. the distance traveled divided by the time interval during which the motion occurred
- 14. the sl unit for force