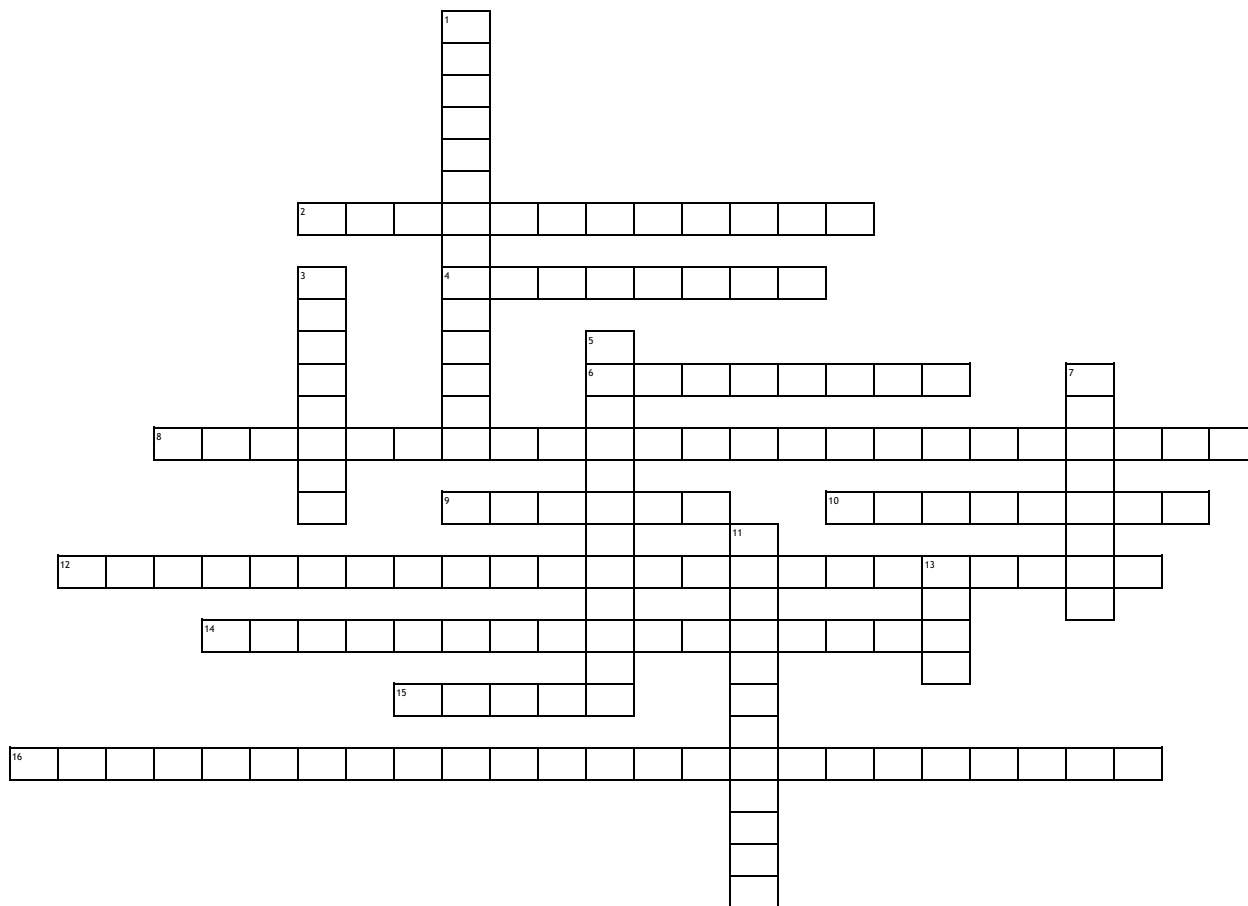


Forces and motion vocabulary



Across

2. The rate at which velocity changes over time; it accelerates if speed and direction change
4. A force that opposes motion between two surfaces that are in contact
6. The speed of an object in particular direction
8. Every action there is an equal and opposite reaction, meaning every interaction there is a pair of forces acting on the 2 interacting objects
9. Measure of gravitational force extended on an object and its value can change with location of an object and universe
10. The combination of all forces acting on an object
12. An object at rest stays motion stays with the same speed and direction unless acted upon by an unbalanced force
14. When the net force on an object is not 0N. They produce a change in motion and causes non moving objects to move
15. The distance traveled divided by the time interval distance which there's motion
16. The acceleration of an object A's produced by net force is directly proportional to the magnitude or net force

Down

1. When forces of an object produce a net force of 0N
3. The quantity of motion of a moving body, mass and velocity
5. Slope of a line and total distance by total time
7. The tendency of an object to resist motion if it's moving and to resist a change in speed or direction until an outside force acts on it
11. A particle attracts every other particle in the universe using a force directly proportional to the products mass
13. Property of matter that measures its resistance to acceleration