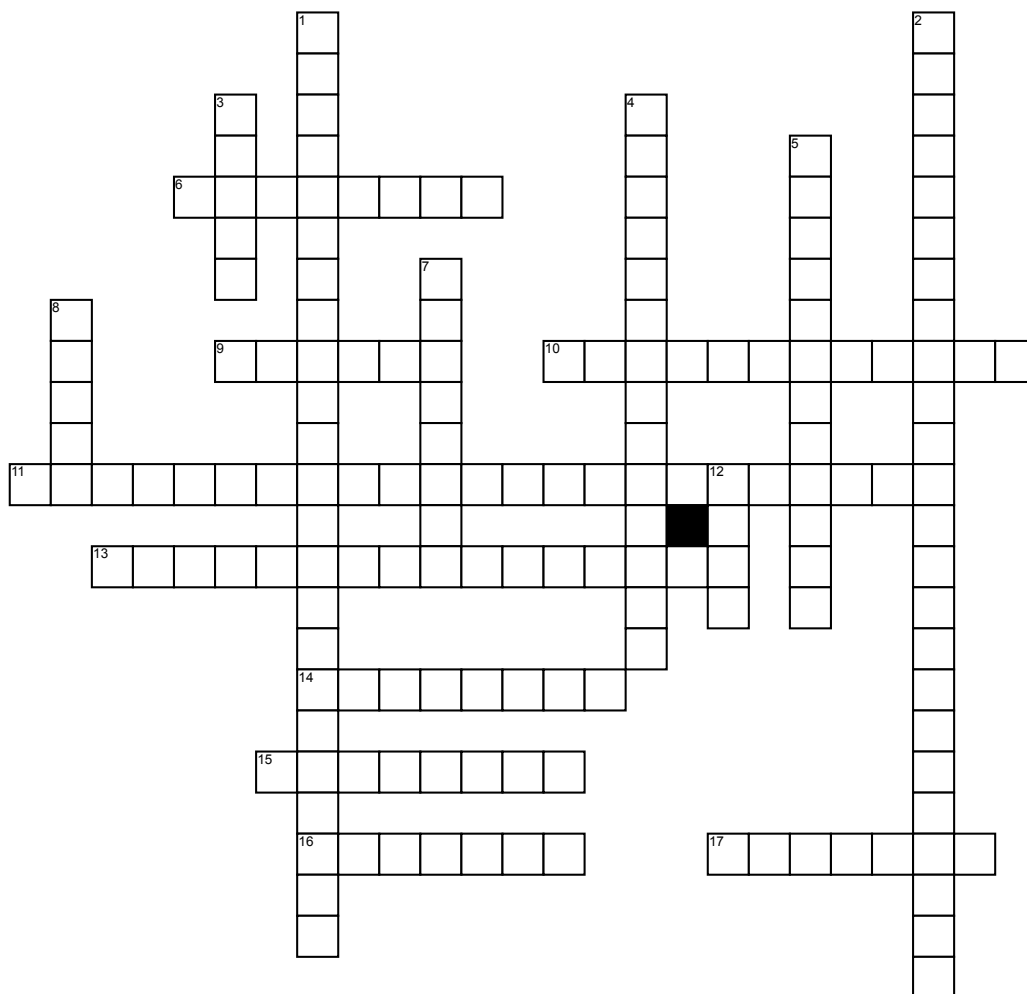


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# Newton's Laws of motion Vocabulary



## **Across**

- 6.** Speed in a given direction  
**9.** measured normally by a scale  
**10.** The total distance traveled by object divide by the elapsed time  
**11.** For every action there is an equal opposite reaction  
**13.** Force that produces a nonzero net force  
**14.** the resistance that one surface or object when moving over another

## **Word Bank**

Balanced forces  
 Force  
 gravity  
 mass  
 Speed  
 Weight

- 15.** The quantity of motion of a moving body  
**16.** The tendency of an object to resist change in its motion  
**17.** The force that pulls objects toward each other

## **Down**

- 1.** The law of inertia  
**2.** Acceleration of an object depends upon its mass & the force acting upon it  
**3.** The distances an object travels per unit of time

Momentum  
 Acceleration  
 Newton's Third Law of motion  
 Net Force  
 Newton's second law of motion  
 Velocity

- 4.** Equal Forces acting on an object In opposite directions  
**5.** A change of velocity  
**7.** The overall force on an object when all individual forces acting on it are added together  
**8.** A push or pull  
**12.** a consistent, mainly large body of matter

Unbalanced Forces  
 Friction  
 Newton's first law of motion  
 Average speed  
 Inertia