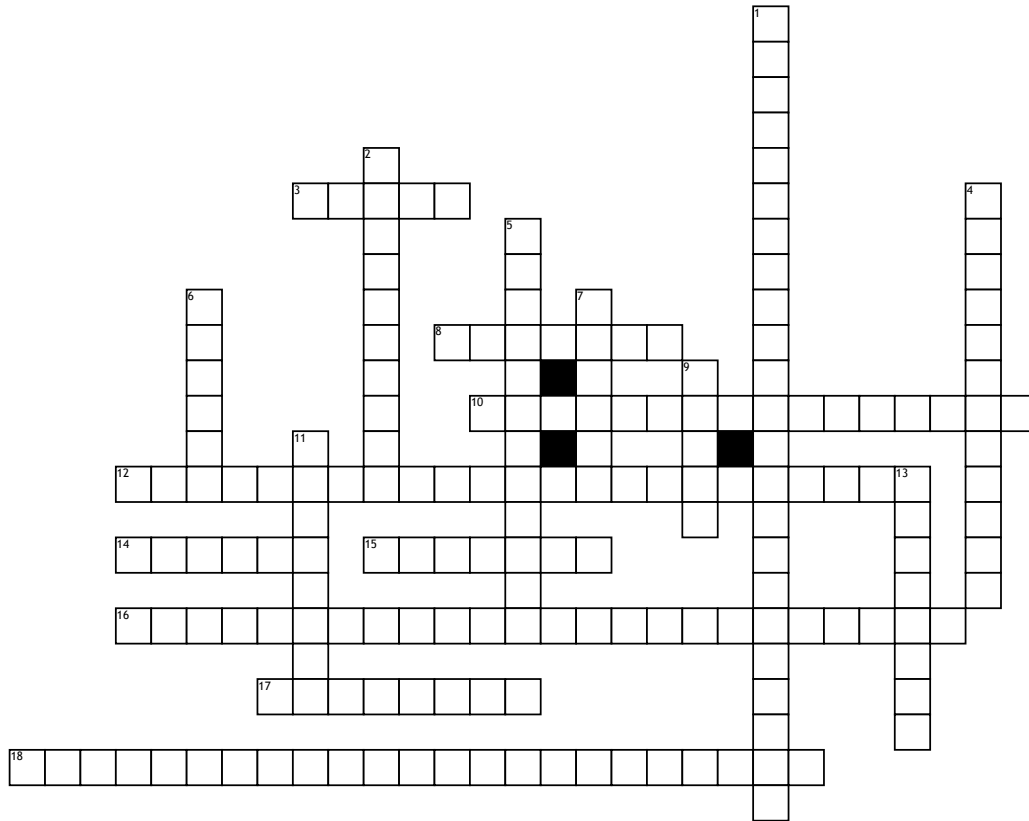


Forces & Motion



Across

3. a push or pull applied to an object
 8. tendency of an object to resist any change in its motion
 10. force acting toward the center of a curved or circular path
 12. acceleration toward the center of a curved or circular path
 14. gravitational force exerted on an object-measured in Newtons
 15. any two masses that exert an attractive force on each other

Word Bank

weight
 centripetal force
 force
 acceleration
 Newtons Third Law of Motion
 gravity

16. a net force acting on an object causes the object to accelerate in the direction of the force
 17. includes speed of an object and the direction of its motion
 18. for every action there is an equal and opposite reaction

Down

1. an object in motion stays in motion, or an object at rest stays at rest until an unbalanced net force acts upon it
 2. anything that is thrown or shot through the air

Newtons Second Law of Motion
 inertia
 velocity
 distance
 centripetal acceleration
 projectile

4. distance and direction of an objects change in position from starting point
 5. rate of change in velocity
 6. occurs when an object changes position relative to a reference point
 7. friction in which two surfaces are not moving past each other
 9. the distance an object travels per unit of time
 11. how far an object travels
 13. when two or more forces act on an object at the same time

motion
 net force
 Newtons First Law of Motion
 speed
 displacement
 static