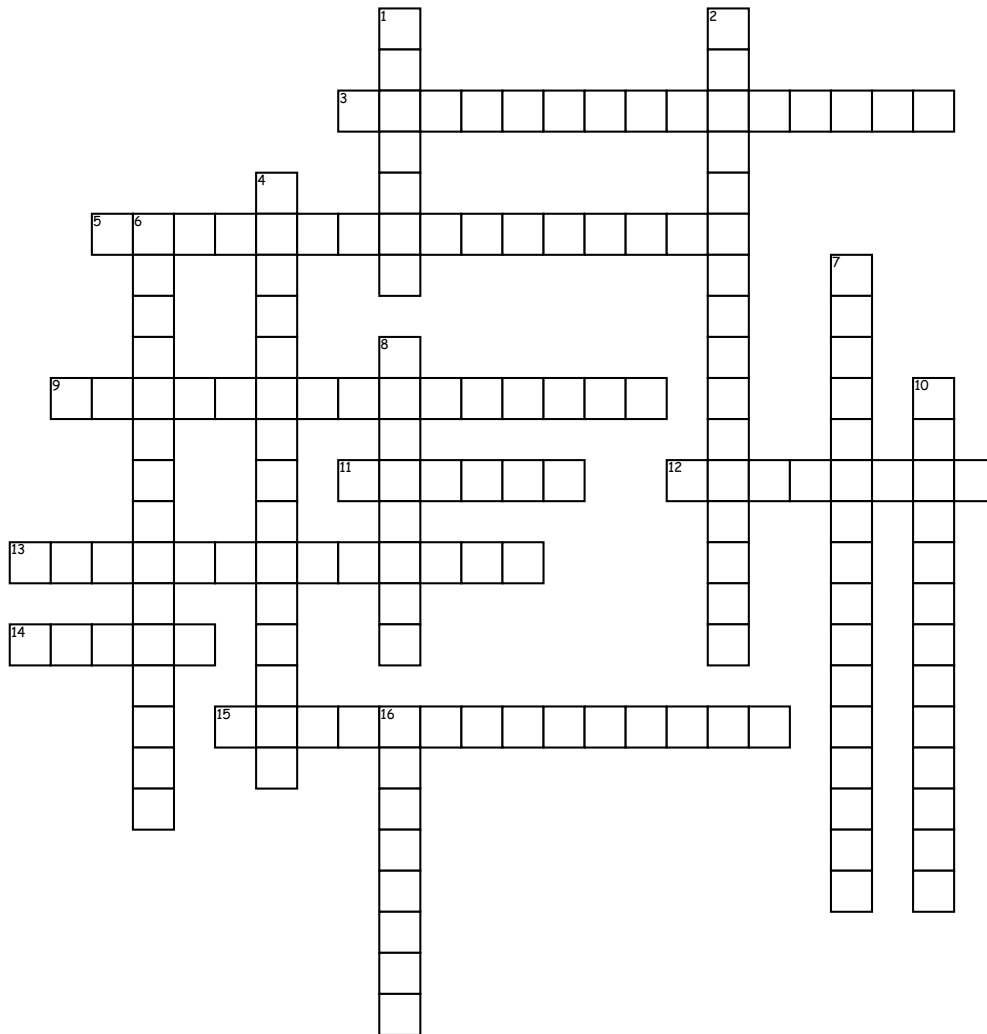


Name: _____

force and motion vocabulary



Across

3. an object at rest will remain at rest and an object in motion will continue moving at a constant velocity unless acted upon by a net force

5. the curved path that an object follows when thrown, launched, or otherwise projected near the surface of Earth

9. a force that opposes the direction of motion of an object as it slides over a surface

11. a measure of the gravitational force exerted on an object

12. a quantity defined as the product of the mass and velocity of an object

13. the fluid friction action on an object moving through the air

14. a push or pull that one body exerts on another

15. forces acting on an object that are opposite in direction and equal in size

Down

1. the tendency of an object to resist change in motion

2. the constant velocity of a falling object when force of air resistance is equal in magnitude

4. When one object exerts a force on a second object, the second object exerts an equal but opposite force on the first

6. the force that acts on rolling objects.

7. The acceleration of an object is directly proportional to the net force acting on it and inversely proportional to its mass

8. the motion of a body when only the force of gravity is acting on the body

10. opposes the motion of an object through a fluid

16. unbalanced forces that are not opposite and equal

Word Bank

Newton's third Law

Balanced forces

projective motion

fluid friction

air resistance

rolling friction

force

freefall

momentum

sliding friction

Newton's First Law

weight

terminal velocity

Newton's second Law

net force

inertia