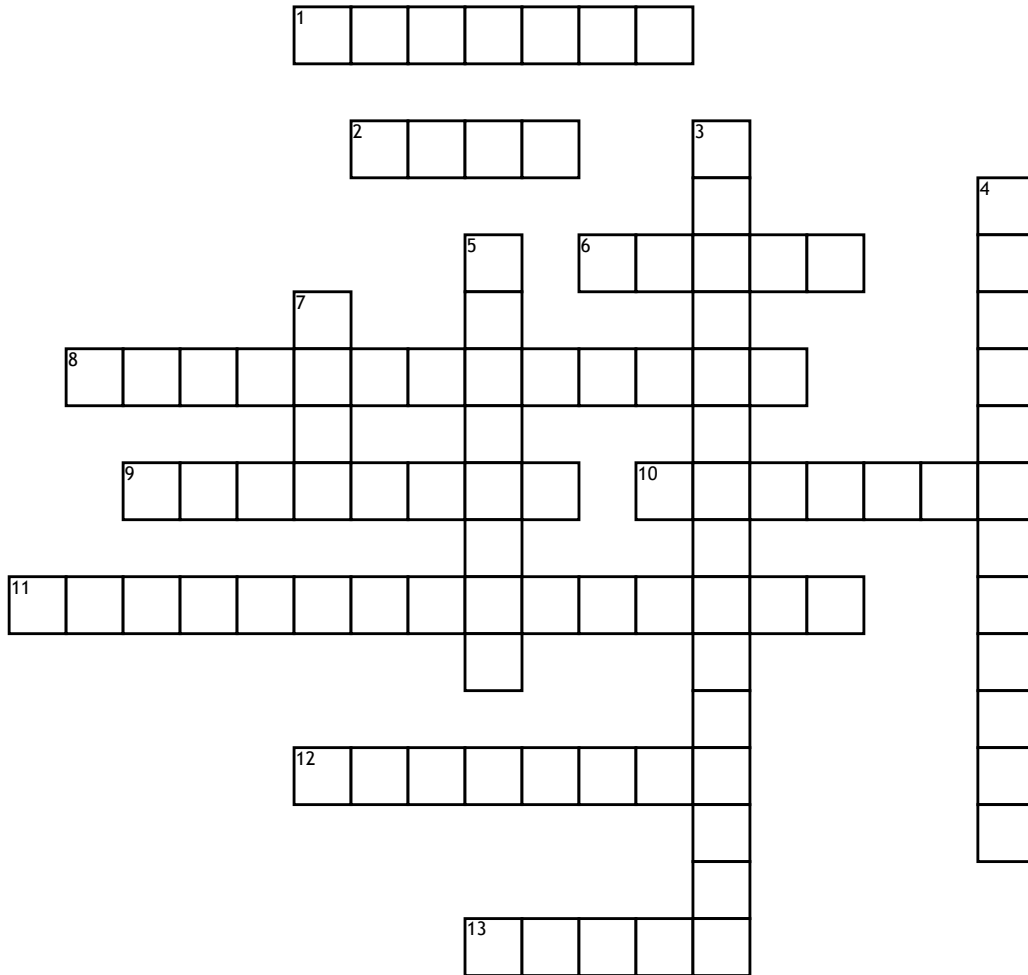


Name: _____ Date: _____ Period: _____

Force Vocabulary



Across

1. the force that attracts a body toward the center of the earth, or toward any other physical body having mass.
2. the quantity of matter which a body contains, as measured by its acceleration under a given force or by the force exerted on it by a gravitational field.
6. an influence tending to change the motion of a body or produce motion or stress in a stationary body. The magnitude of such an influence is often calculated by multiplying the mass of the body by its acceleration.
8. A set of forces on an object that cancel one another out so that there is no overall force on that object; the combined (net) force is the same as zero force; balanced forces will not cause a change in the motion of an object

9. an amount of space between two things or people.

10. a tendency to do nothing or to remain unchanged.

11. A stationary object remains stationary if the sum of the forces acting upon it - resultant force - is zero.

12. the resistance that one surface or object encounters when moving over another.

13. the rate at which someone or something is able to move or operate.

Down

3. A set of forces exerted on an object that changes the motion of that object; the combined force has size and direction. Unbalanced forces are needed to make an object start moving, speed up, slow down, or change direction.

4. the component of an electric field due to free separated charges, regardless of any polarizing effects.

5. The speed of something in a given direction.

7. Rest is a state in physics that refers to an object being stationary relative to a particular frame of reference or another object; when the position of a body with respect to its surroundings does not change with time.

Word Bank

speed

force

Force Balanced

Distance

Rest

Friction

mass

inertia

force unbalanced

Displacement

Velocity

Gravity

Force stationary