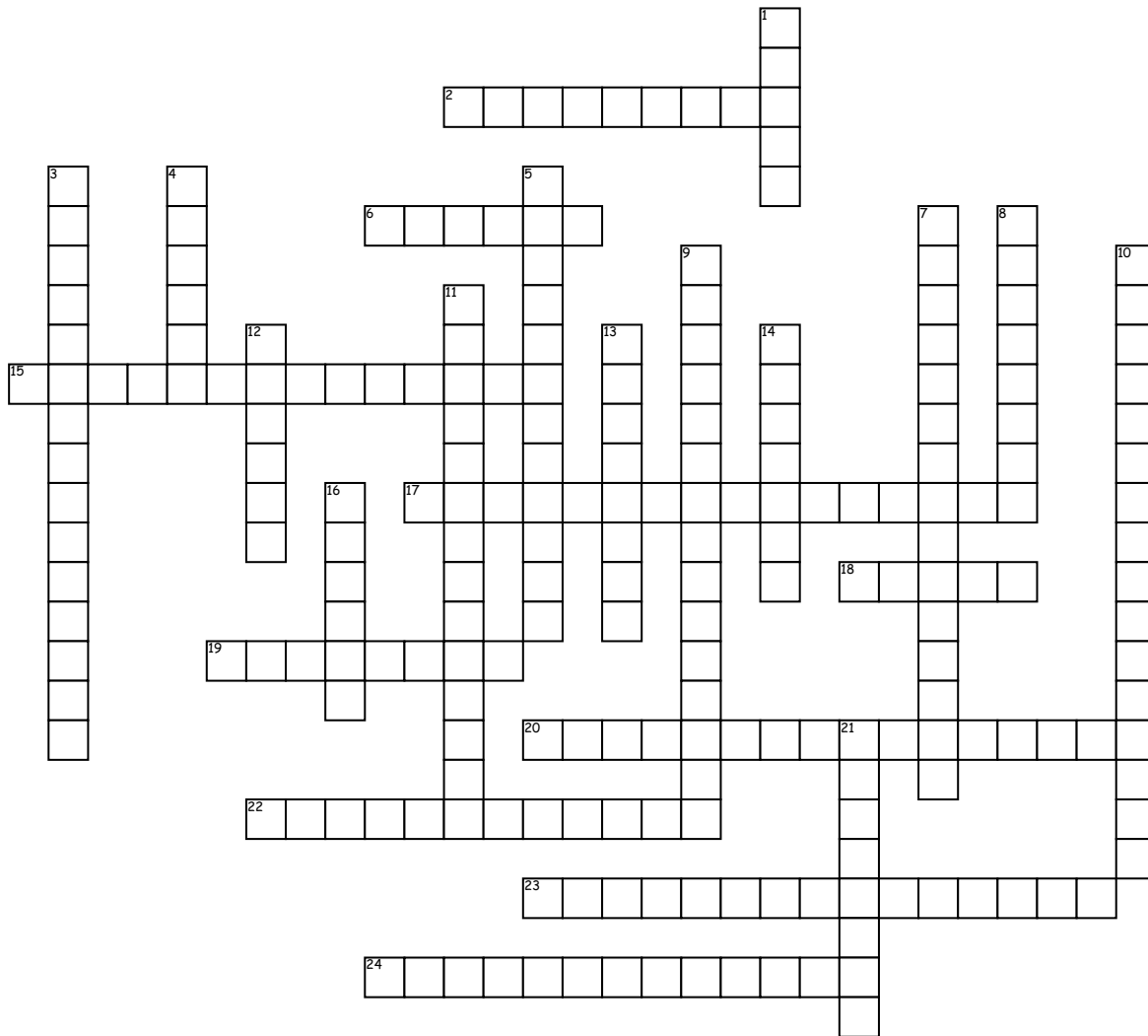


Name: _____ Date: _____ Period: _____

Forces and Motion



Across

2. The overall force on an object when all the forces are added together.
6. The amount of matter in an object
15. Equal forces acting on an object
17. An object at rest stays at rest and an object in motion stays in motion unless an unbalanced force acts on it.
18. A push or Pull
19. The distance object travels per unit of time with a direction
20. The friction that occurs when an object slides over a surface
22. The rate at which velocity changes
23. For every action there is an equal and opposite reaction

24. The friction that occurs when an object travels through fluid or air

Down

1. The distance object travels per unit of time.
3. Unequal forces acting on an object
4. The distance between objects changes
5. A negative acceleration
7. The friction that occurs when an object rolls over a surface.
8. The tendency of an object to resist any change in motion
9. The friction that occurs when an object is not moving.

10. Acceleration depends on the object's mass and the net force acting on it.

11. The fluid friction experienced by objects traveling through air.
12. The force of gravity on an object
13. The product of an object's mass and velocity
14. The force that pulls objects toward each other
16. The SI unit of measure for force
21. The force that one surface exerts on another when the two surfaces rub against each other