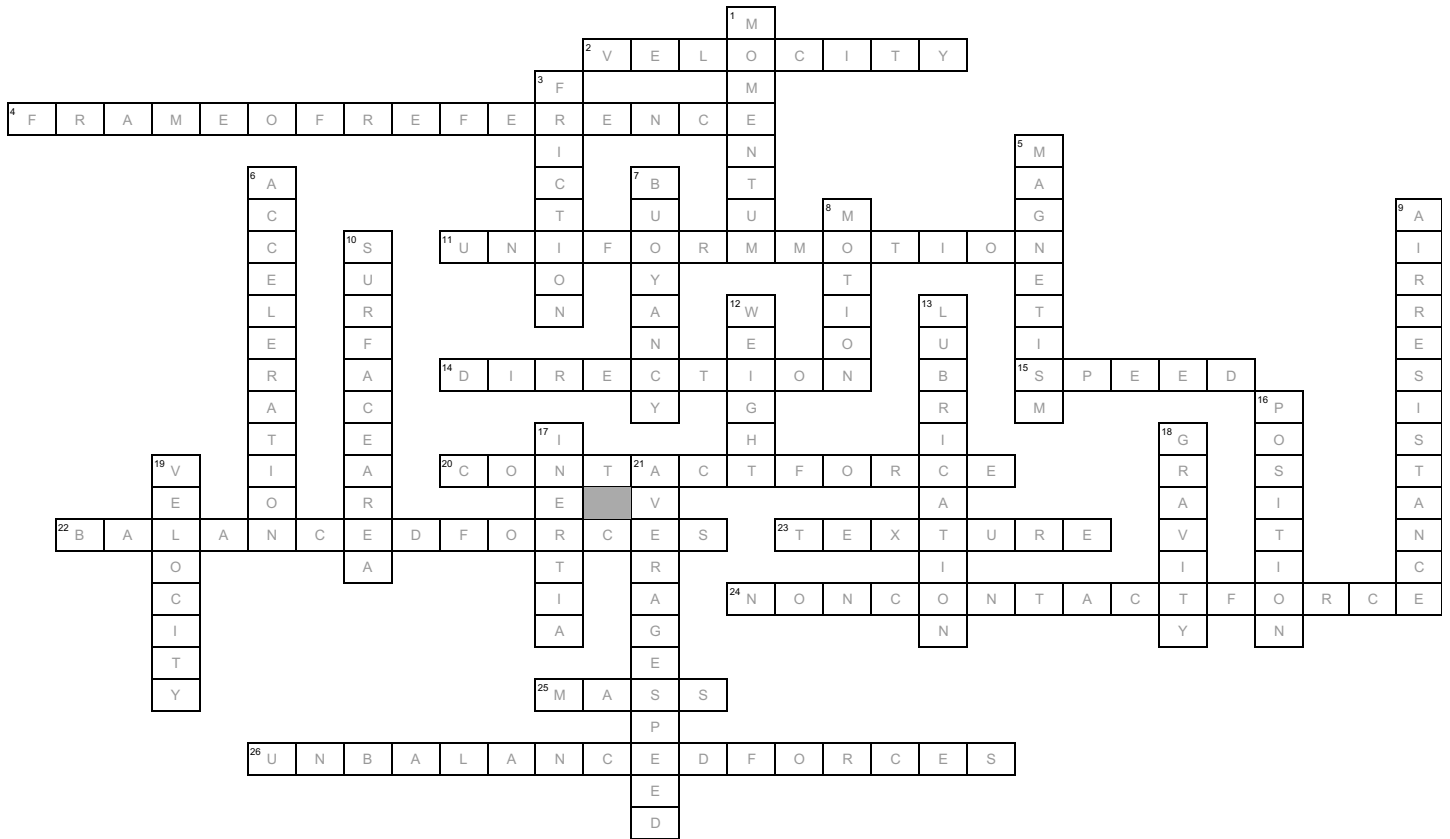


Name: _____

Force and Motion



Across

- 2. any interaction that, when unopposed, will change the motion of an object
- 4. a group of objects from which you can measure an object's position or motion
- 11. the object is supposed to cover equal distances in equal intervals of time
- 14. describes the movement of an object
- 15. the rate at which an object changes position
- 20. a force that acts at the point of contact between two objects
- 22. Do not cause a change in motion- when balanced forces act on an object at rest, the object will not move
- 23. the feel, appearance, or consistency of a surface or a substance
- 24. a force applied to an object by another body that is not in direct contact with it
- 25. a dimensionless quantity representing the amount of matter in a particle or object
- 26. Forces that cause a change in the motion of an object

Down

- 1. the product of mass multiplied by velocity
- 3. the resistance that one surface or object encounters when moving over another
- 5. a physical phenomenon produced by the motion of electric charge, resulting in attractive and repulsive forces between objects
- 6. increase of speed or velocity
- 7. the power to float or rise in a fluid
- 8. a change in the position of an object
- 9. a force that is caused by air that acts in the opposite direction to an object
- 10. The total area of the surface of a three-dimensional object
- 12. a system of units for expressing heaviness or mass
- 13. the process or technique employed to reduce friction between, and wear of one or both, surfaces in proximity and moving relative to each other
- 16. location of an object
- 17. the property of matter by which it retains its state of rest or its velocity along a straight line so long as it is not acted upon by an external force
- 18. the force that attracts a body toward the center of the earth, or toward any other physical body having mass
- 19. the speed and direction an object is moving
- 21. how far an object moves during a certain amount of time