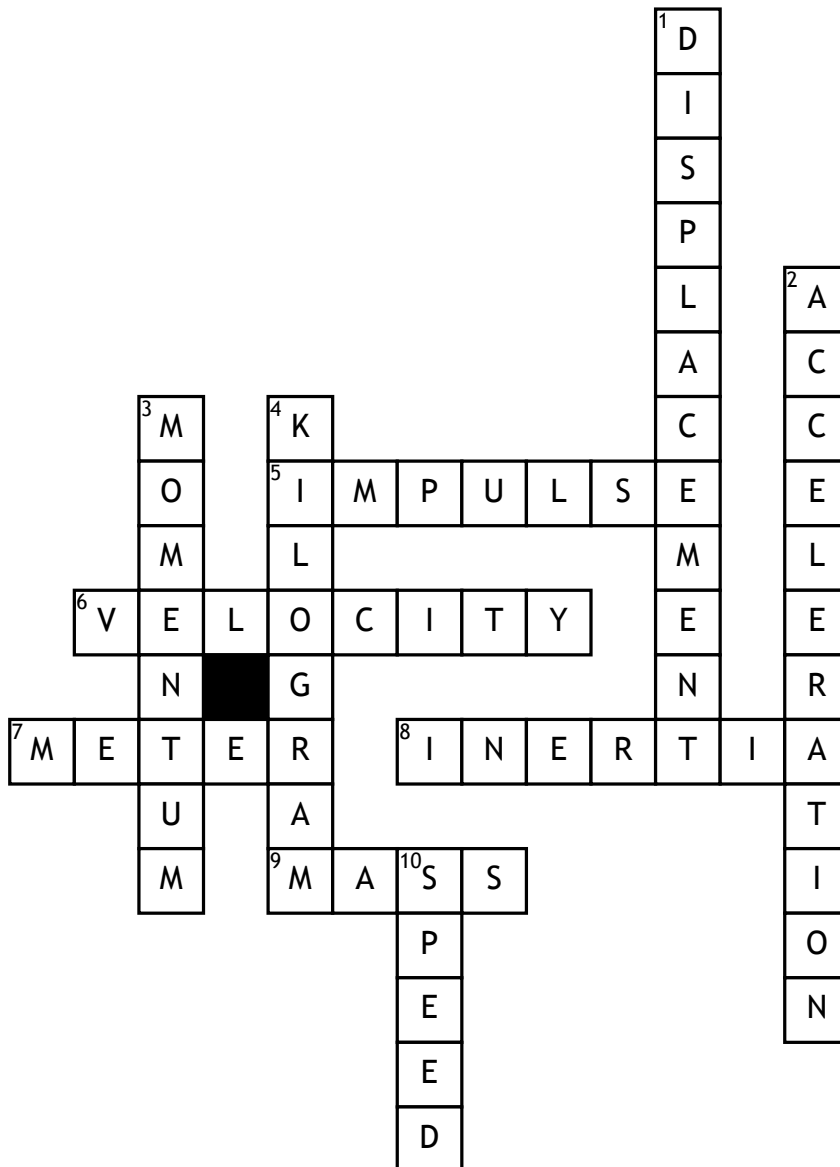


Name: _____

Date: _____

Momentum



Across

5. The change of momentum of an object when the object is acted upon by a force for an interval of time.
6. A physical vector quantity; both magnitude and direction are needed to define it.
7. Units of Length.
8. The resistance of any physical object to any change in its state of motion.
9. The quantity of matter that a body contains, as measured by its acceleration under a given force or by the force exerted on it by a gravitational field.

Down

1. A vector quantity that refers to "how far out of place an object is"; it is the object's overall change in position.
2. The rate of change of velocity per unit of time.
3. The product of mass and velocity.
4. The base unit of mass.
10. Being a scalar quantity, is the rate at which an object covers distance.