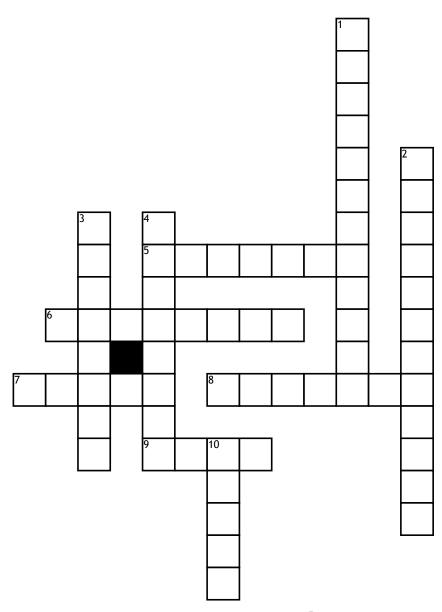
Name:	Date:	

## Momentum



## **Across**

- **5.** The change of momentum of an object when the object is acted upon by a force for an out of place an object is"; it is the object's 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 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.