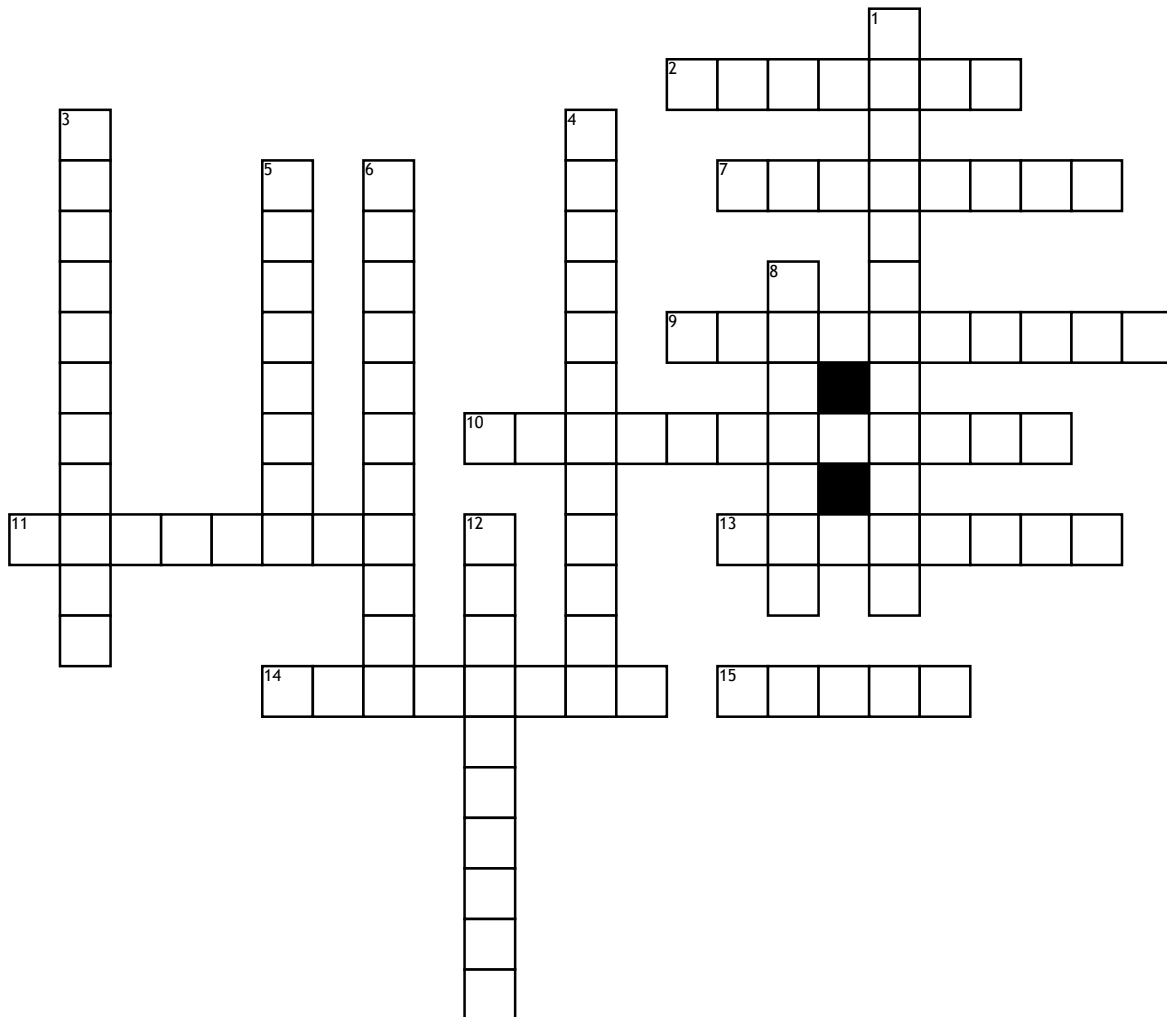


Name: _____

Date: _____

MECHANICS



Across

2. the force between the mass of earth and any other object

7. the ideal falling motion acted on only by the force of gravity

9. the branch of classical mechanics that describes the motion of points, objects and groups of objects without consideration of the causes of motion.

10. the rate at which the velocity of a body changes with time

11. a numerical description of how far apart objects are.

13. the fundamental SI unit of mass

14. A term giving both how fast and in what direction the object is moving.

15. The rate of change of an object's position

Down

1. an object's change of position along a straight line

3. if the net force acting on an object is zero then the object is in

4. It is a vector and is the overall change in the position from the reference point.

5. the force that opposes two objects in contact

6. the force needed to keep an object in a circular path is

8. the resistance of an object to a change in its motion

12. two or more forces that act on the same object at the same time