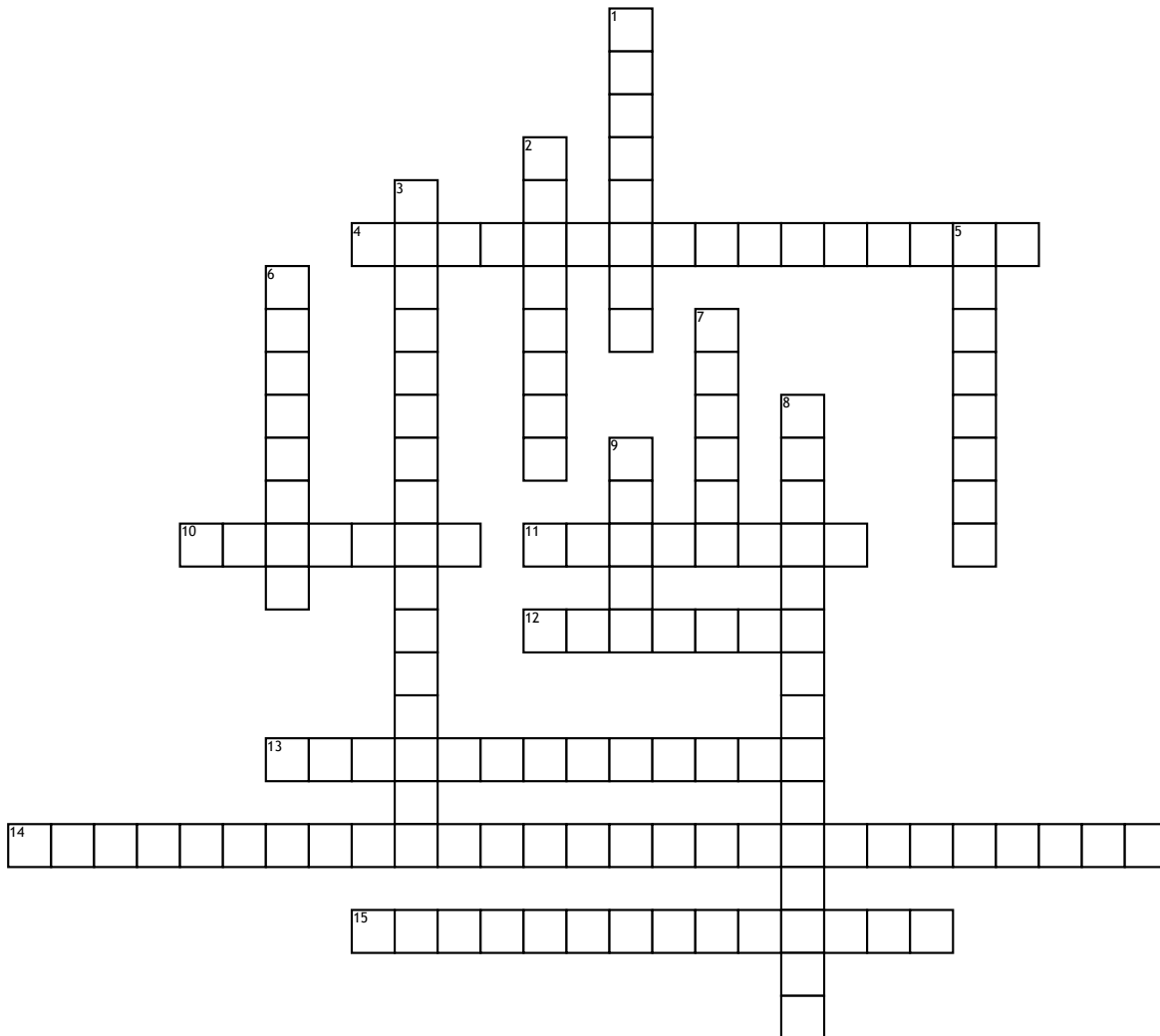


Name: _____

Date: _____

Force



Across

4. The maximum speed an objects will reach when falling through a substance, such as air

10. Attractive force between two objects that depends on the masses of the objects and the distance between them

11. States that the acceleration of an object is in the same direction as the net force on the object, and the acceleration equals the net force divided by its mass

12. Tendency of an object to resist any change in its motion

13. Force that opposes the motion of an objects that move through the air

14. States that if no external forces act on a group of objects, their total momentum does not change

15. Forces that do not cause a change in motion

Down

1. Describes the fall of an object on which only the force of gravity is acting

2. Force that opposes the sliding motion between two touching objects

3. A force that is directed toward the center of a curved or circular path

5. States that when one object exerts a force on a second object, the second object exerts a force on the first object that is equal in strength and in the opposite direction

6. States that an object moving at a constant velocity unless an unbalanced force acts on it

7. Gravitation force exerted on an object

8. Forces that cause change in motion

9. a push or a pull exerted on an object