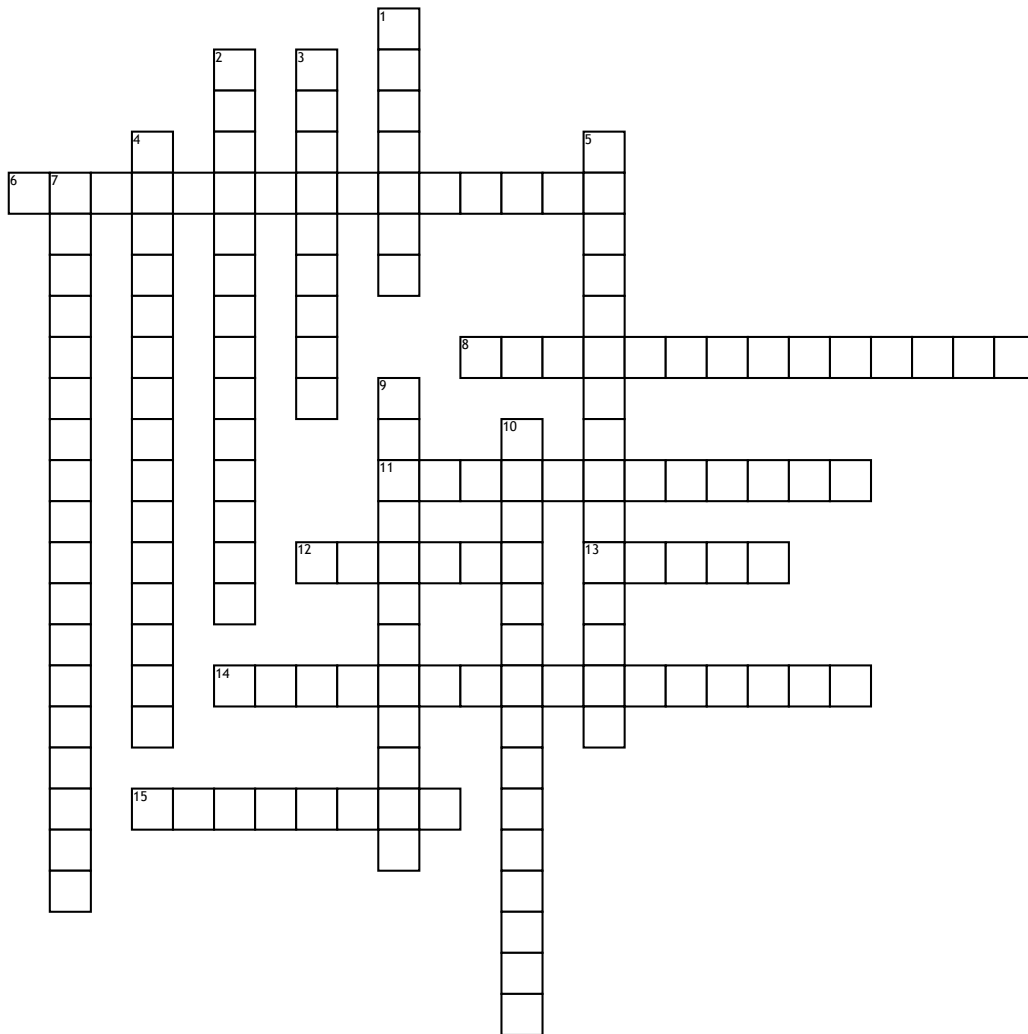


Motions and Forces



Across

6. Friction between moving surfaces
 8. Forces that are equal in size and in opposite direction
 11. Measures how fast motion changes speed
 12. Measurement of the force that gravity pulls on an object
 13. Push or Pull one object exerts on another
 14. Law that explains a force acting on an object causes the object to speed up in the direction of the force

15. Force that makes motion more difficult between any materials in contact not just solids

Down

1. Force of attraction between objects
 2. Stated laws that describes the effects of forces on motion
 3. Combination of all forces acting on an object
 4. Law that explains an object's motion at a constant speed maintains that speed unless another force acts on it

5. When forces produce a change in motion, such as in speed or direction

7. Speed of motion at any given moment

9. Friction between objects that results in No Motion

10. Law that explains when one object pushes on a second object, the second one pushes back on the first with a force that is equal in size and opposite in direction

Word Bank

Balanced Forces

Unbalanced Force

Force

Friction

Newtons First Law

Net Forces

Weight

Sir Isaac Newton

Kinetic Friction

Newtons Second Law

Acceleration

Gravity

Instantaneous Speed

Newtons Third Law

Static Motion