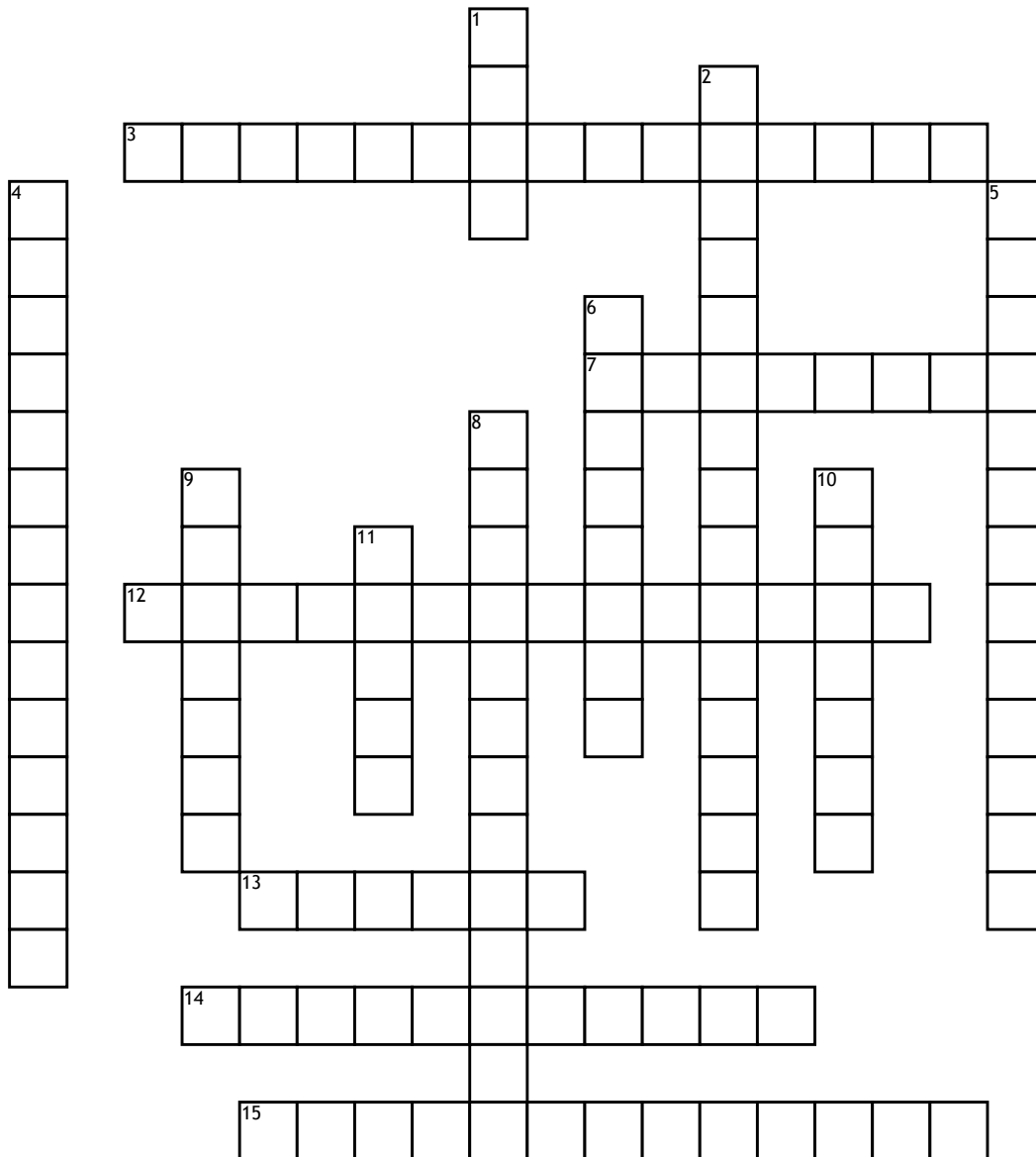


# Balanced and Unbalanced Forces Crossword!



## Across

3. If you place force on an object it will accelerate.

7. An equal but opposite force exerted by a body when a force is acted upon it.

12. When one object exerts a force on a second object, the second object exerts force back that is equal in an opposite direction.

13. The SI unit of force.

14. A state in which opposing forces or influences are balanced.

15. When the net force of an object is zero. There is no change in motion of the object. The object is either motionless or maintaining a constant speed.

## Down

1. The majority of.

2. Forces that cause a change in the motion of an object.

4. An object will keep doing what it's doing, whether it is sitting still or moving, unless the forces acted on it become unbalanced.

5. Attraction or repulsion that arises between electrically charged particles because of their motion.

6. The action of one surface or object rubbing against another.

8. Defined by velocity the speed of direction.

9. Matter continues its existing state of rest or uniform motion in a straight line, unless that state is changed by an external force.

10. The force that attracts a body toward the center of the earth, or toward any other physical body having mass.

11. Strength or energy as an attribute of physical action or movement.