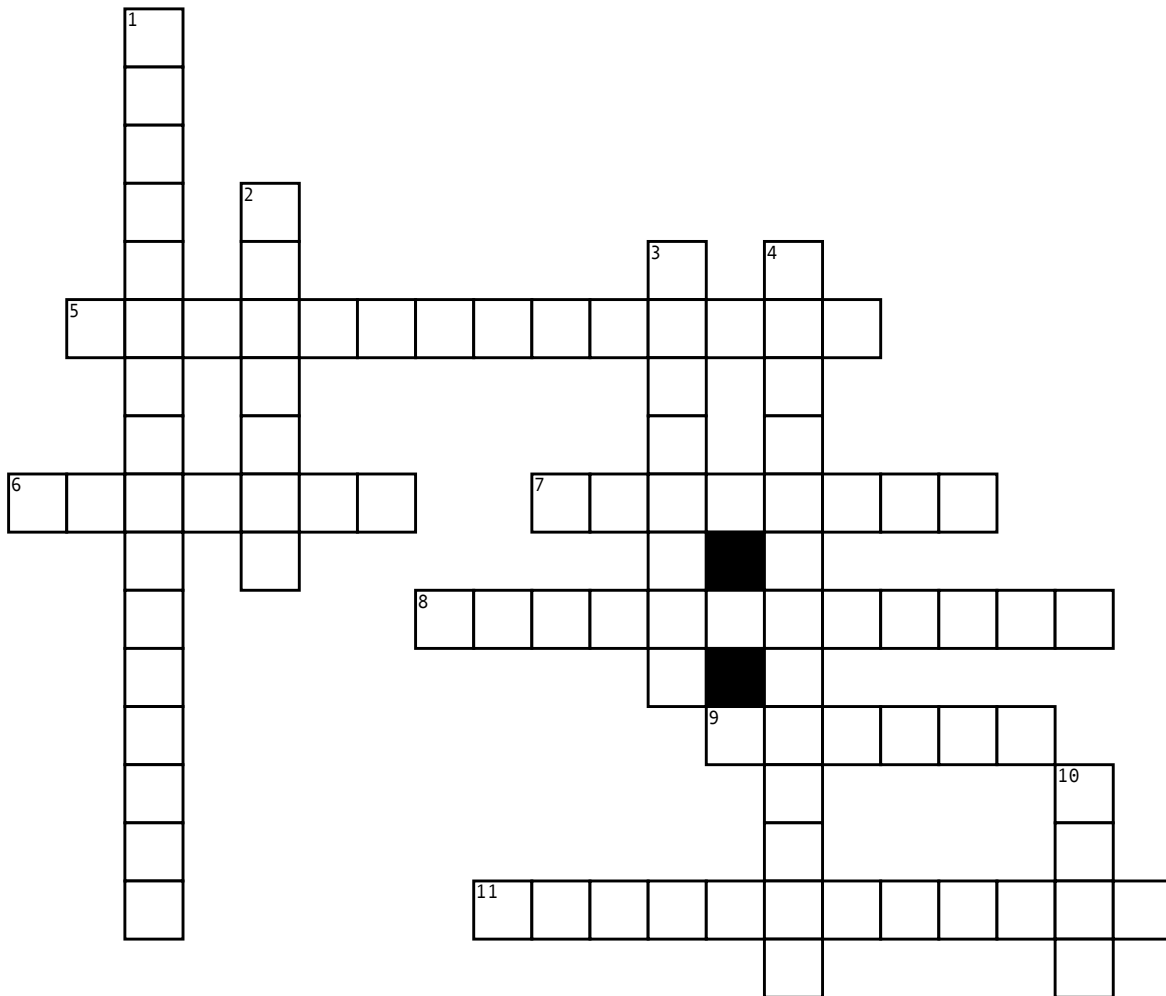


Newton's laws and terms



Across

5. _____ are forces acting on an object that combine and form a net force of zero
6. _____ is the tendency of an object to resist a change in its motion
7. _____ is the combination of all the forces acting on an object
8. _____ says that when one object exerts a force on a second object, the second object exerts an equal force in the opposite direction on the first object
9. _____ is the gravitational force exerted on an object
11. _____ says that if the net force on an object is zero, the motion of the object does not change

Down

1. _____ are forces acting on an object that combine and form a net force that is not zero
2. What is an attractive force that exists between all objects that have mass.
3. _____ is a force that resists the motion of two surfaces that are touching
4. _____ says that the acceleration of an object is equal to the net force acting on the object divided by the object's mass
10. _____ is the amount of matter in an object.