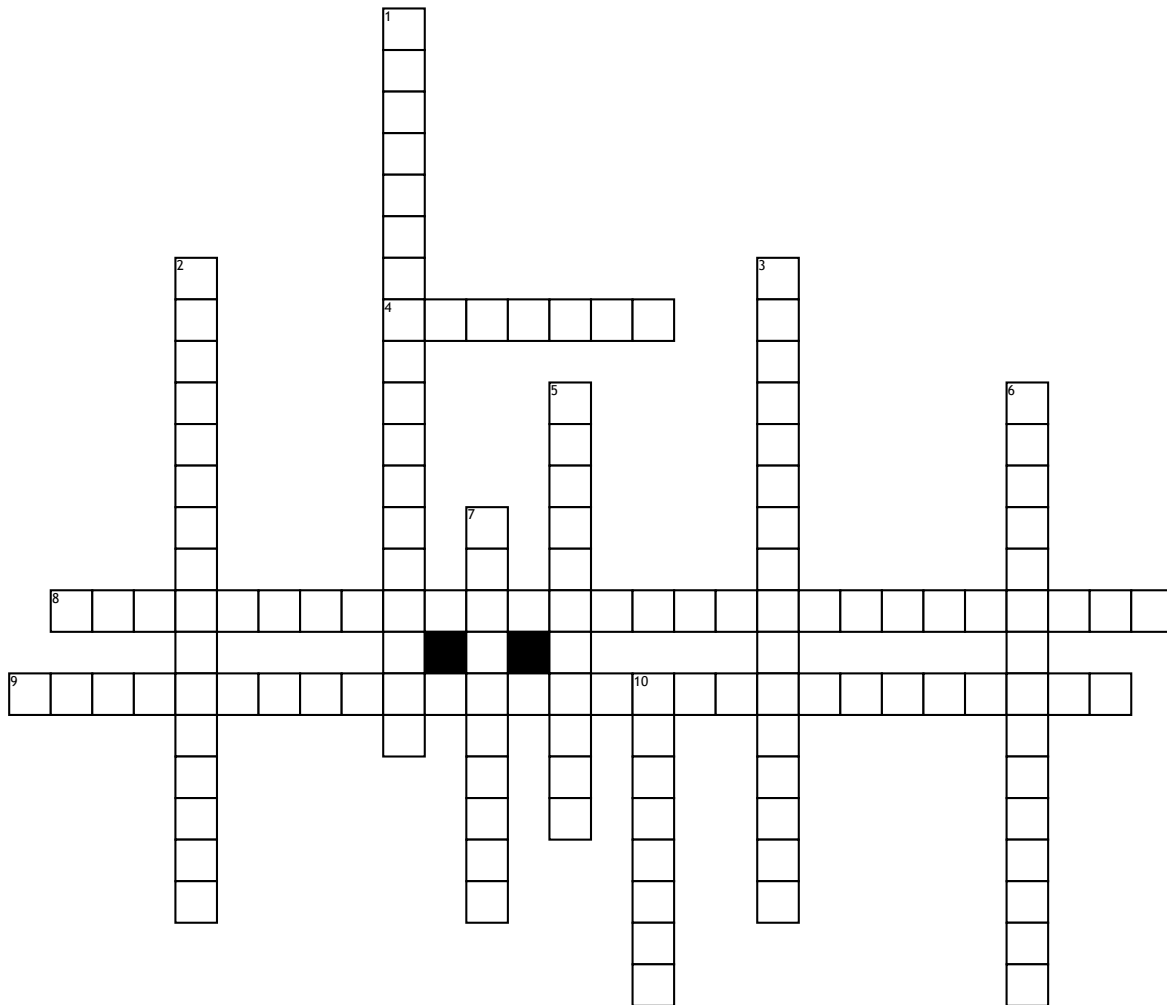


Science Review



Across

4. The product of the force acting on an object and the time during which it acts. In an interaction, impulses are equal and opposite.

8. When no external net force acts on an object or a system of objects, no change of momentum takes place.

9. Impulse is equal to the change in the momentum of the object that the impulse acts on.

Down

1. A collision in which the colliding objects become distorted, generate heat, and possibly join together.

2. A collision in which colliding objects rebound without lasting deformation or the generation of heat.

3. A collision in which colliding objects rebound without lasting deformation or the generation of heat.

5. Mutual action between objects where each object exerts an equal and opposite force on the other.

6. To every action there is an opposed equal reaction.

7. The action and reaction pair of forces that occur in an interaction.

10. The product of the mass of an object and its velocity.