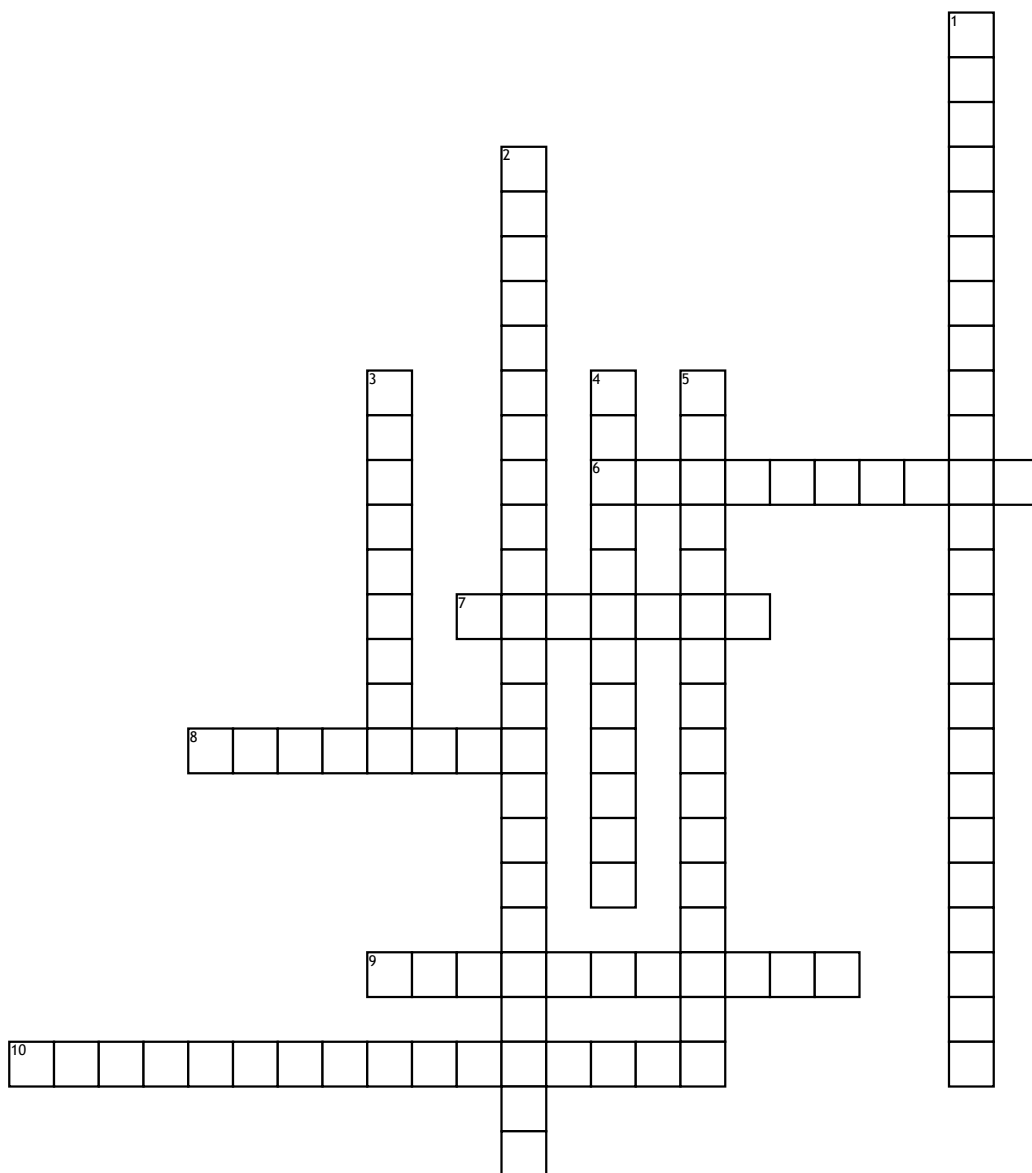


law of conservation of mass



Across

6. and environment where matter can enter or escape
7. The substance is created after the reaction takes place
8. The substances present before the reaction occurs
9. The numbers in front of chemical symbols
10. Is written as an expression similar to a mathematical equation that can be compared to a recipe that a chemist follows in order to produce the desired results

Down

1. A chemical equation with the same number of atoms in each element on the sides of the equation
2. during a chemical reaction matter cannot be created or destroyed
3. The numbers behind chemical symbols
4. an environment where matter cannot enter or escape
5. when bonds between the electrons of atoms are formed or broken