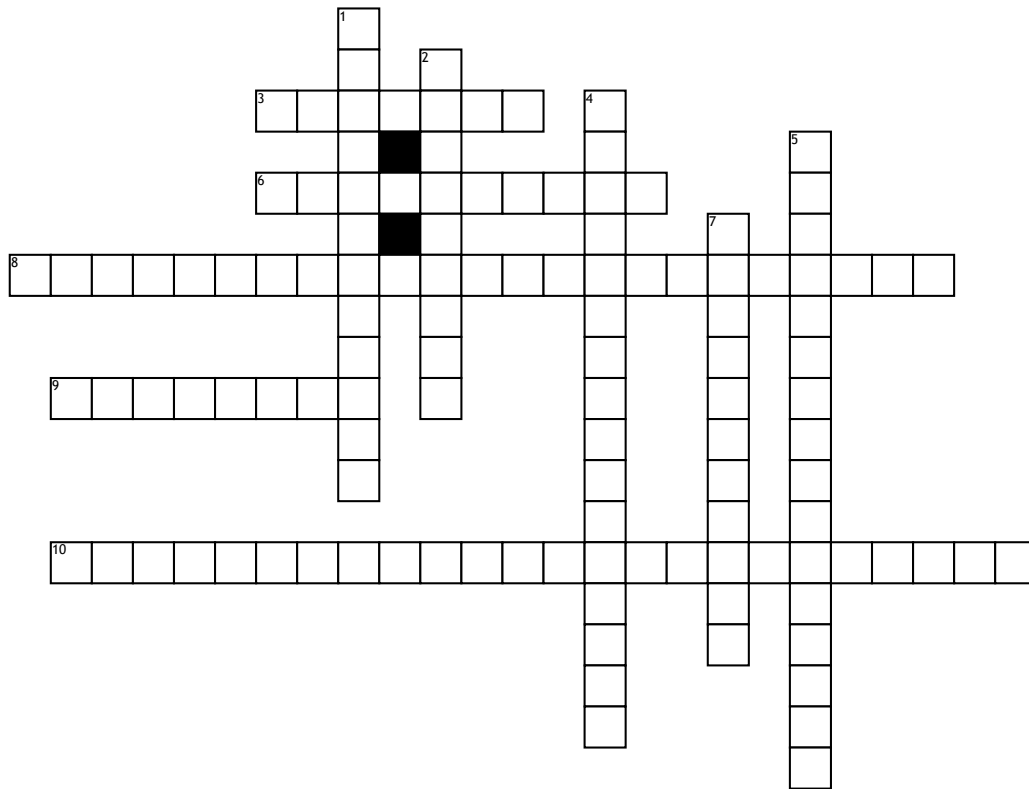


Name: _____ Date: _____ Period: _____

Law of conservation of mass



Across

3. The substances created after the reaction takes place
6. An environment where matter can enter or escape
8. During a chemical reaction matter cannot be created or destroyed
9. The substances present before the reaction occurs
10. A chemical equation with the same number of atoms of each element on both sides of the equation

Word Bank

Law of conservation of mass
Coefficient
Reactant
Chemical equation

Balanced chemical equation
Chemical reaction
Subscript

Product
Closed system
Open system

Down

1. An environment where matter cannot enter or escape
2. The numbers behind the chemical symbols
4. When bonds between the electrons of atoms are formed or broken
5. 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 desired results.
7. The numbers in the front of chemical symbols