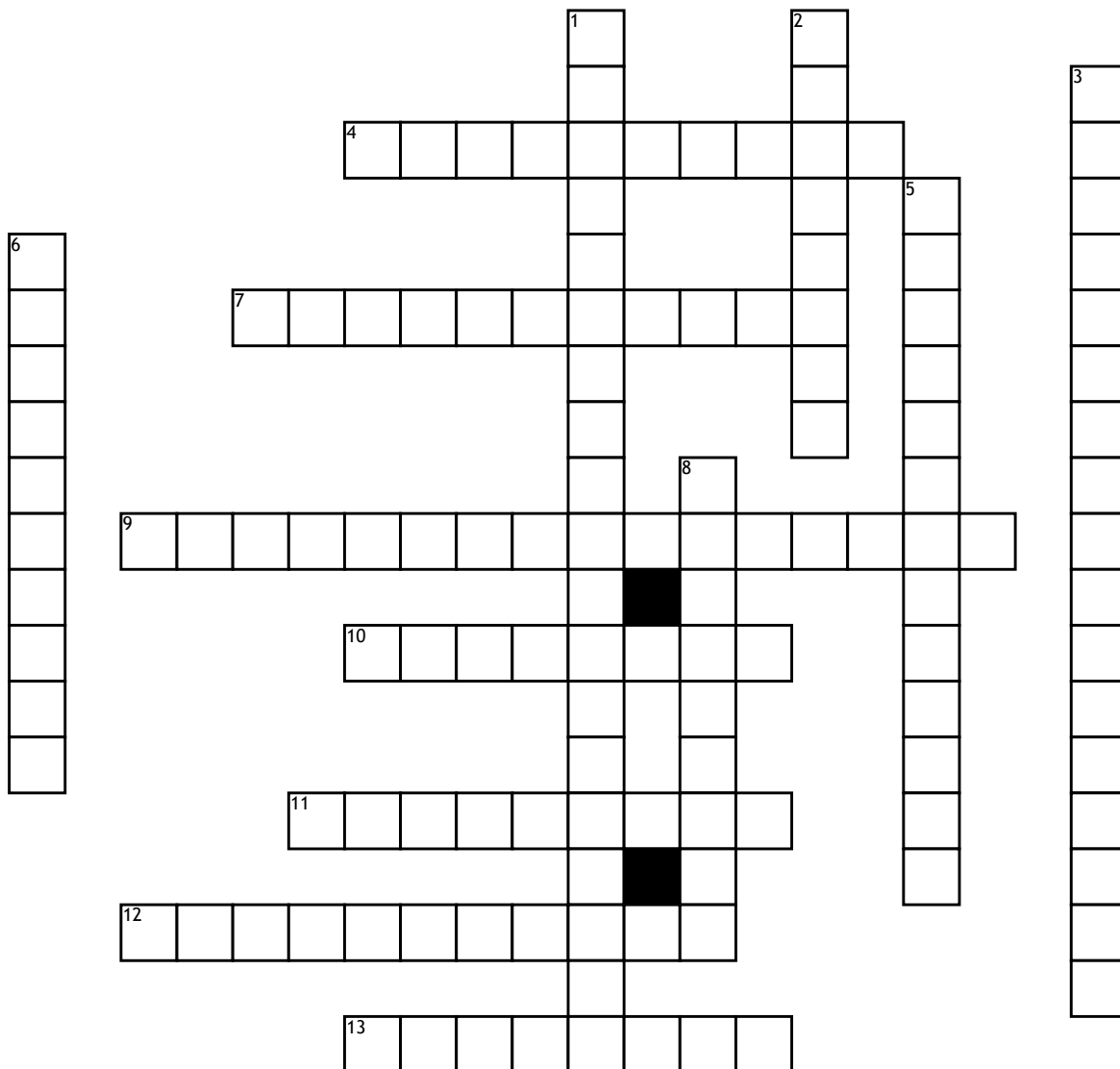


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Chemical reactions and Law of Conservation



## Across

4. uses oxygen as a reactant; produces heat; the products usually include water and carbon dioxide

7. occurring or formed with absorption of heat

9. chemical equation with the same number of atoms of each element on both sides of the equation

10. a substance that initiates or accelerates a chemical reaction without itself being affected

11. The combination of 2 or more substances to form a compound (one product forms)

12. A number in front of a chemical formula in an equation that indicates how many molecules or atoms of each reactant and product are involved in a reaction.

13. a chemical substance that is present at the start of a chemical reaction

## Down

1. Ions in 2 compounds "change" partners; Cation (+) of the one compound combines with anion (-) of the other

2. the elements or compounds produced by a chemical reaction

3. One element replaces another in a compound; metal replaces metal (+)

5. A compound breaks down into 2 or more simpler substances (only one reactant)

6. chemical reaction in which energy is primarily given off in the form of heat

8. A number in a chemical formula that tells the number of atoms in a molecule or the ratio of elements in a compound