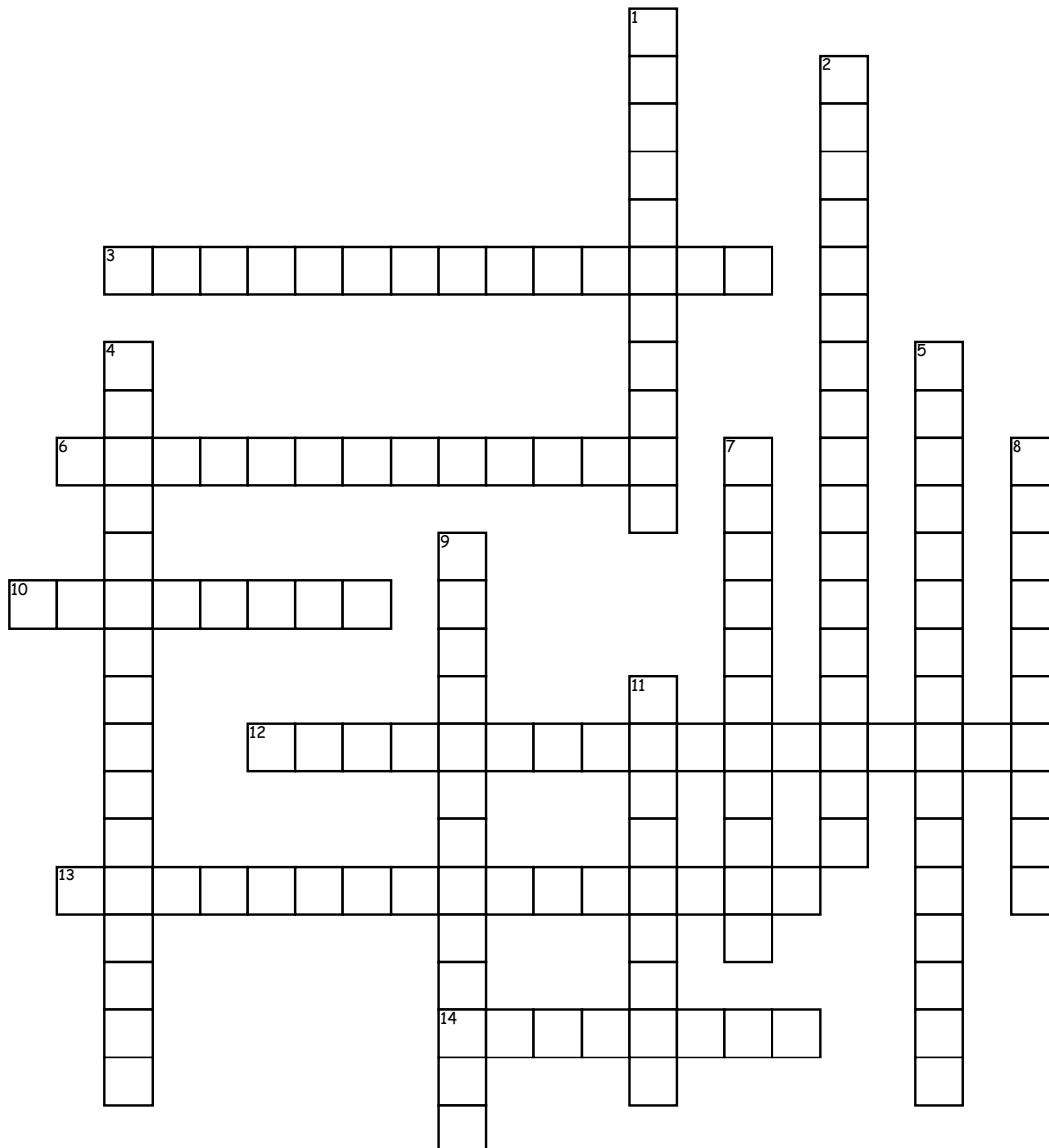


Name: \_\_\_\_\_

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

# Chemical Reactions



## Across

3. list of metals in order of decreasing reactivity

6. a chemical change in which a single compound breaks down into 2 or more products

10. a substance that speeds up a reaction but is not consumed

12. a chemical change in which one element replaces a second element in a compound

13. a chemical reaction in which each side of the equation has the same number of atoms of each element

14. an equation that only shows the particles involved in the reaction

## Down

1. whole numbers used to balance an equation

2. a chemical change involving an exchange of positive ions between 2 compounds

4. an equation that does not indicate the moles of the reactants and products

5. a representation of a chemical reaction

7. a reaction in which 2 or more substances react to form a single new substance; also known as a synthesis reaction

8. a chemical change in which a hydrocarbon reacts with oxygen

9. an equation that shows dissolved ions as dissociated free ions

11. an ion that is not directly involved in the reaction