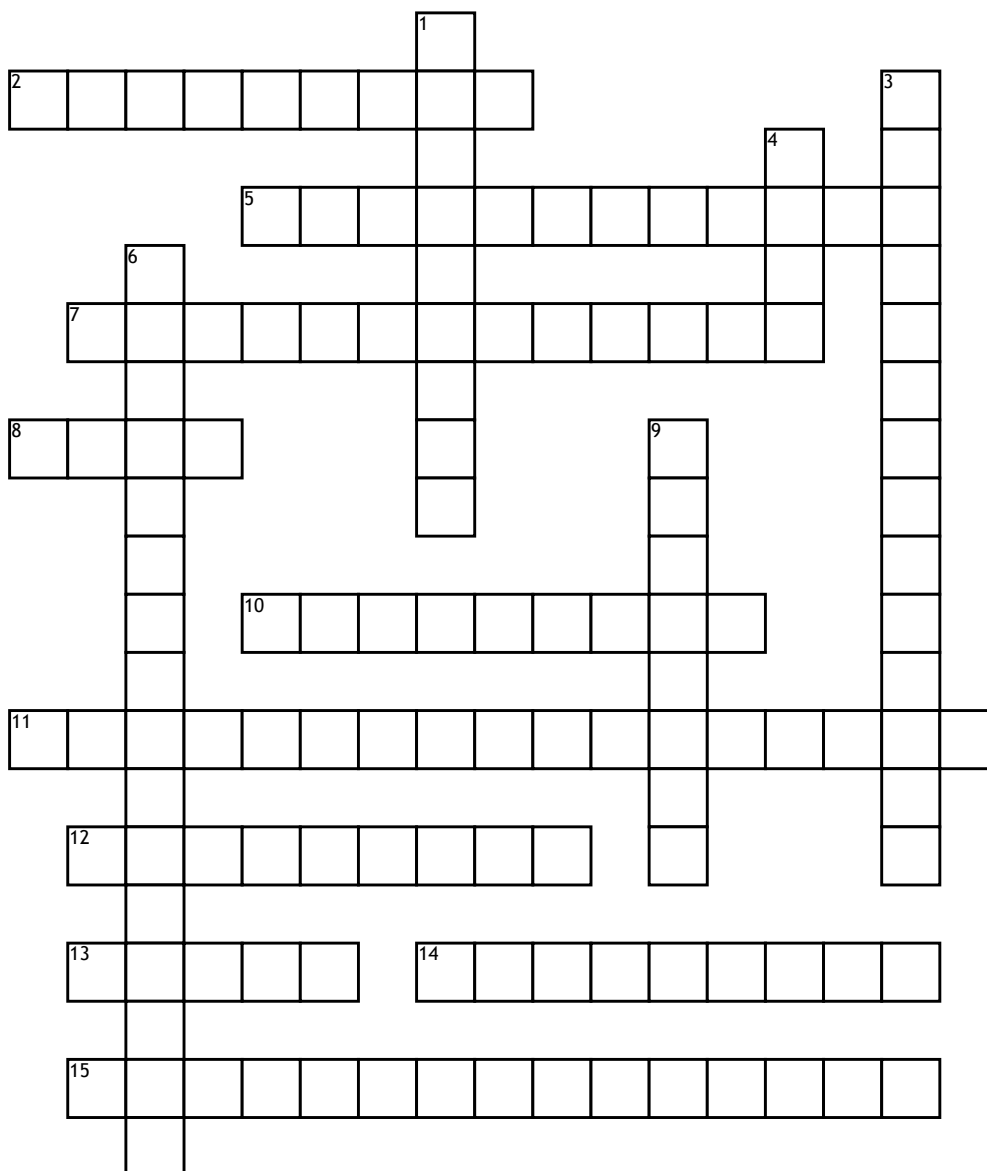


# Chemical Bonds and Reactions



## Across

2. Reaction rates depend on how often

\_\_\_\_\_ collide

5. The rate at which reactants change to products over time.

7. What is the force that holds together the atoms in a compound?

8. Balanced chemical reaction - have the \_\_\_\_\_ number of atoms of each element on both sides of the equation.

10. What is a substance composed of 2 or more elements?

11. What happens when a run in which 1 or more substances are changed to new substances?

12. This represents the number of atoms of the element within the compound.

13. What forms compounds to become chemically stable?

14. This forms when electrons in the outer energy levels are transferred from one atom to another.

15. A chemical bond in which two or more atoms share electrons.

## Down

1. Substances that are about to react

3. Chemical Energy involves what?

4. This is neither created or destroyed during a chemical reaction.

6. This uses chemical formulas and symbols to describe a chemical reaction and the products it makes.

9. New substances produced