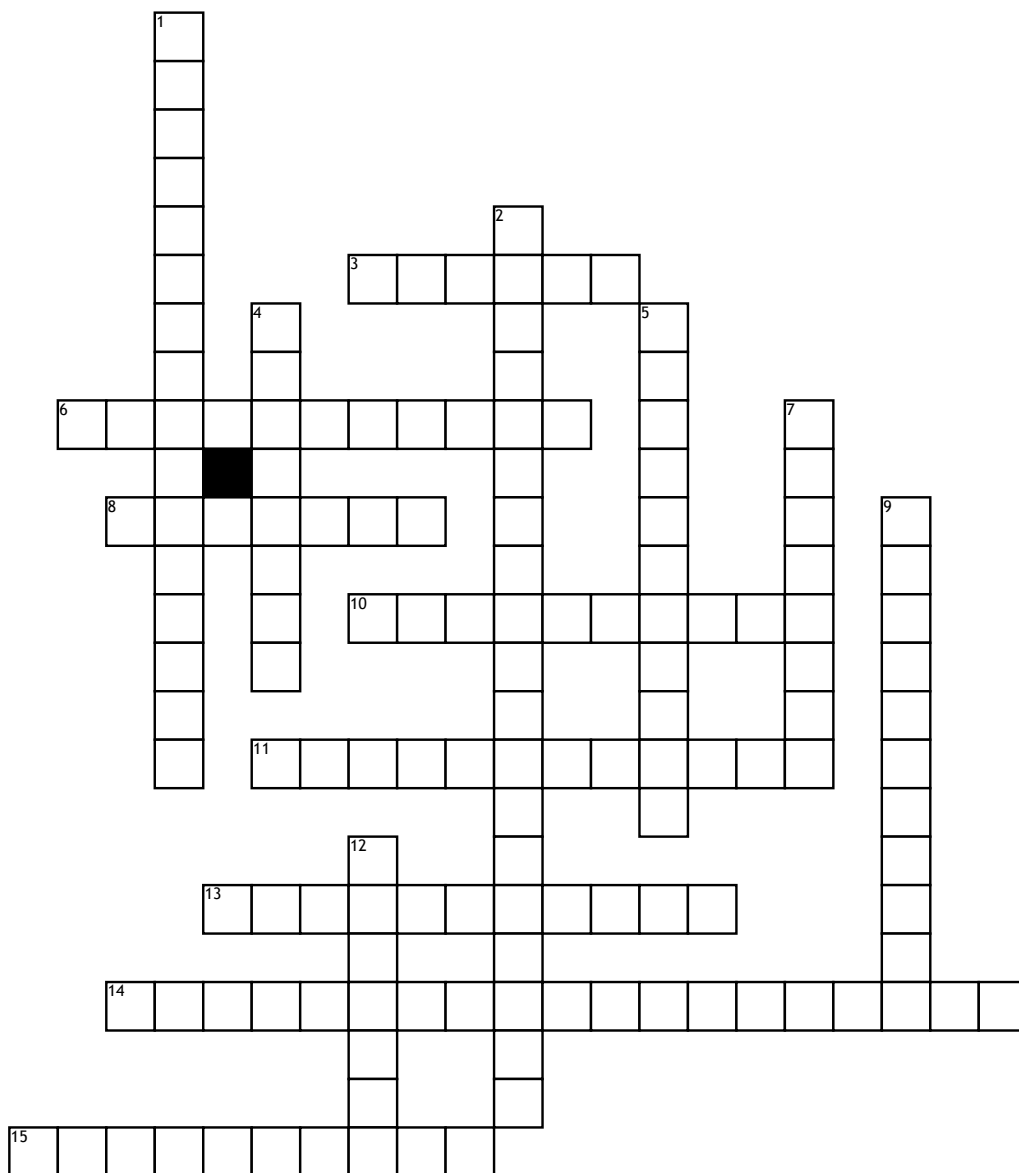


Name: _____

Date: _____

Equilibrium



Across

3. The _____ the temperature is, the faster a reaction would take place.

6. Absorbs heat-feels cold

8. Collision Theory is where atoms, ions, molecules must _____ in order to react.

10. A _____ reaction is a chemical reaction that can occur in both the forward and reverse directions.

11. The change in concentration of a reactant or product per unit of time.

13. Chemical reactions often reach _____.

14. K_{eq} is the _____.

15. releases heat-feels hot

Down

1. A short-lived, unstable arrangement of atoms that may break apart and reform the reactants or may form products.

2. Is a state in which the forward and reverse reactions balance each other.

4. A substance that increases the rate of a chemical reaction by reducing the activation energy.

5. The value of K_{eq} is constant at a specified _____.

7. The _____ in concentration increases the frequency of collisions of particles packed together.

9. Increased _____ increases potential energy

12. Activation energy is the _____ amount of energy required by resting particles in order to form the activated complex.