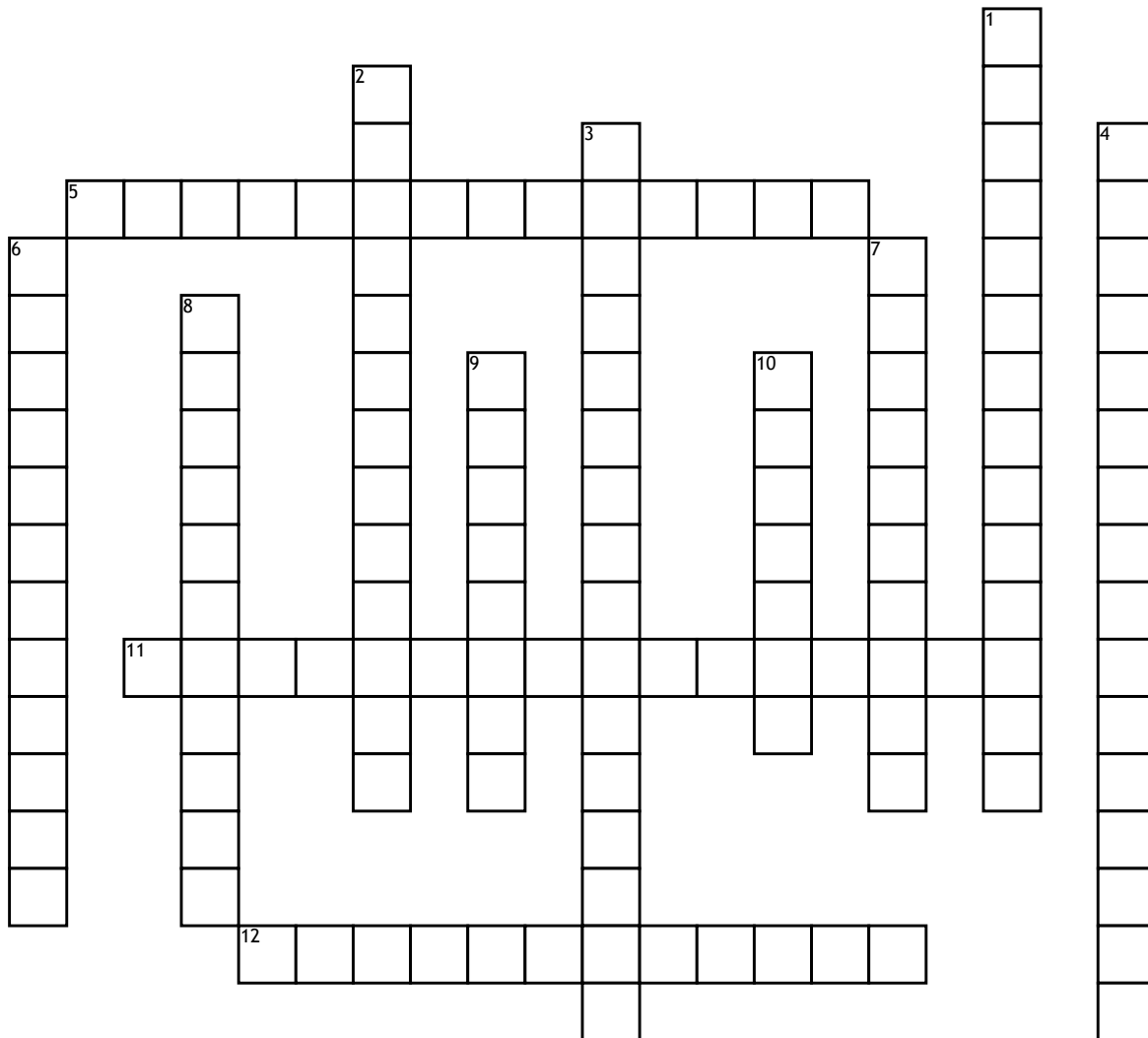


Physical and Chemical Changes



Across

5. a change in the appearance of a substance or object without actually changing its identity. (ex. breaking, folding, phase change, melting, boiling, freezing)

11. a process that produces a chemical change

12. a physical property, the measure of the ability for electricity to travel through a substance.

13. a chemical property, a natural process that converts a metal into a new substance through a chemical reaction with the environment.

Down

1. a change in the chemical composition of a substance and a new substance is formed.

2. a chemical property, the process of rotting or decaying

3. a property that can be observed or measured without changing the identity of the substance. (ex. color, texture, smell, sound)

4. a property that can only be observed by changing the identity of the substance.

6. a physical property, the ability of a substance to be hammered into a thin sheet.

7. a chemical property, the process of burning something and creating a rapid chemical combination, involving the production of heat and light.

8. a physical property, the ability to change to a solid, liquid, or gas

9. a substance that exist before the reaction begins.

10. the substance formed as a result of the reaction