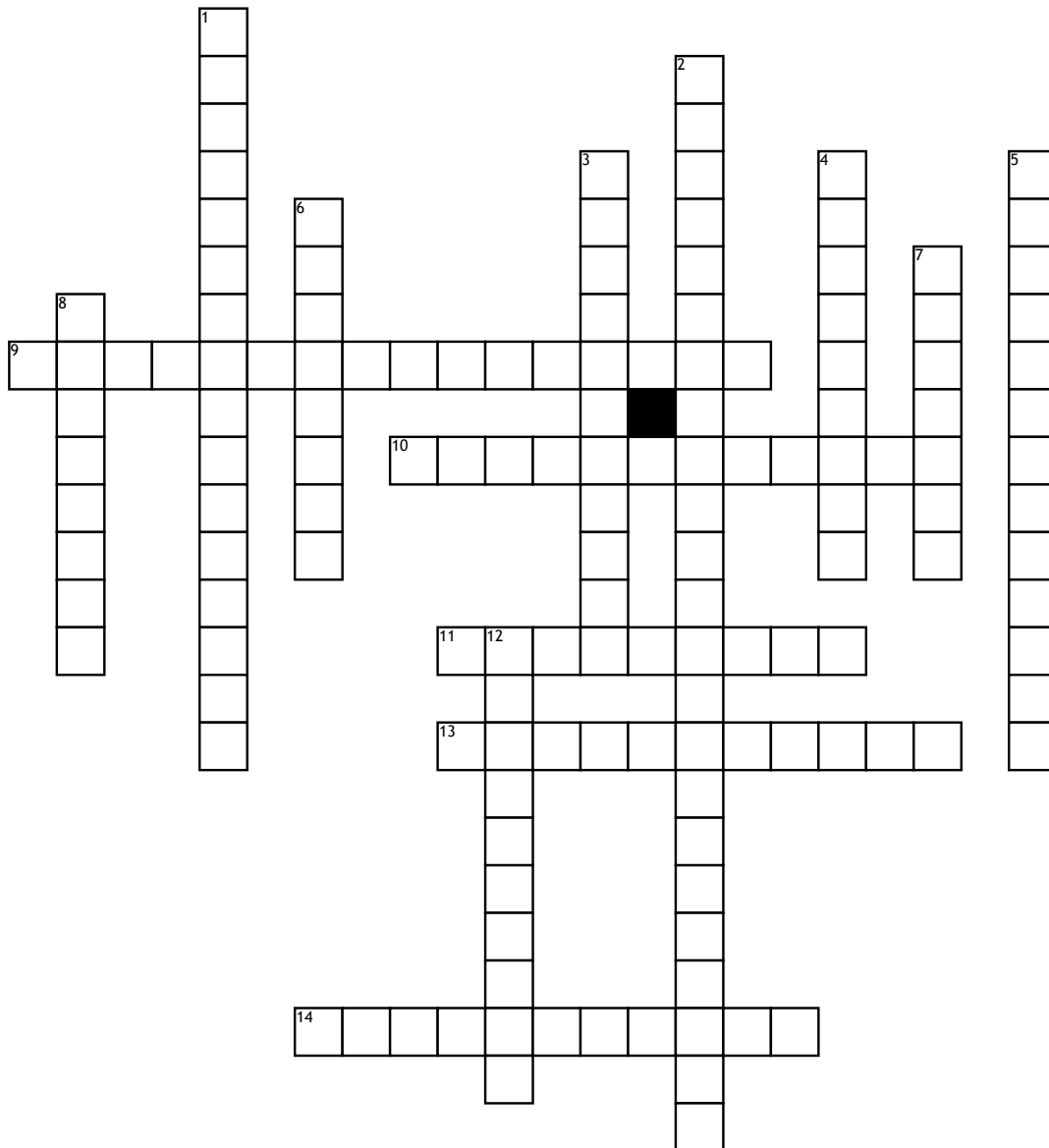


# Chemical Reactions



## Across

- 9.** a way to show a chemical reaction using symbols instead of words  
**10.** chemical reaction that occurs inside a sealed or airtight container  
**11.** substances that undergo the chemical change; on the left side of the arrow  
**13.** number placed in the front of a chemical formula in an equation to help balance  
**14.** two liquids in a chemical reaction forms a solid

## Down

- 1.** minimum amount of energy needed to start a chemical reaction  
**2.** principle that states that during a chemical reaction, matter is not created or destroyed  
**3.** a chemical reaction where heat is absorbed from its surrounding area  
**4.** preservatives added to food to prevent spoiling

- 5.** type of chemical reaction where compounds break down to simpler products  
**6.** lowers the activation energy needed but decreases the reaction rate  
**7.** biological catalysts in our bodies providing a surface on which reactions occur  
**8.** a change that alters only the appearance of a substance  
**12.** type of reaction resulting in energy being released