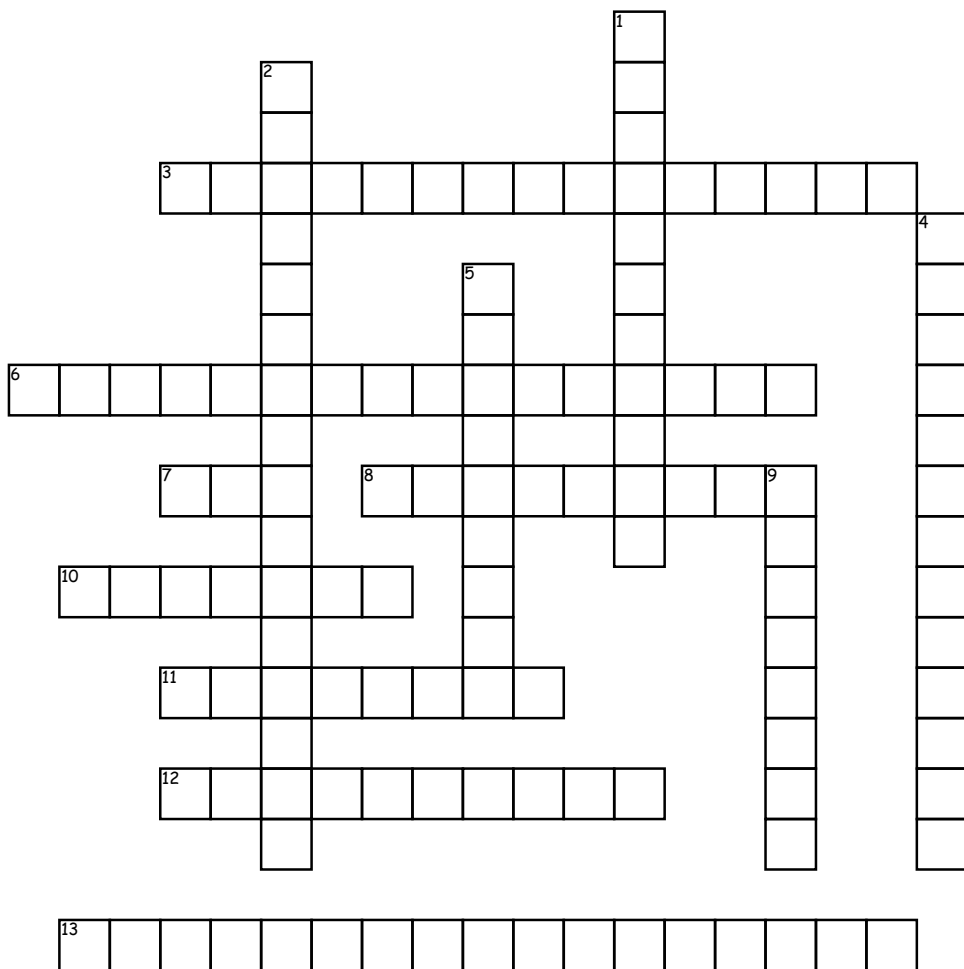


# Chemical Reactions



## Across

**3.** A combination of chemical symbols and numbers to represent a substance

**6.** The minimum amount of energy required to start a chemical reaction

**7.** The law that states that energy cannot be created or destroyed but can be change another

**8.** A substance that slows down or stops a chemical reaction

**10.** The substance that forms in a chemical reaction

**11.** A substance that changes the rate of a chemical reaction without being used up or changed very much

**12.** A chemical reaction in which heat is released to the surroundings

**13.** 1 element replaces another element in a compound

## Down

**1.** A chemical reaction that requires heat

**2.** A representation of a chemical reaction that uses symbols to show the relationship between the reactants and the products

**4.** A compound decomposes into 2 or more simpler substances

**5.** 2 or more substances combine to form a new compound

**9.** A substance or molecule that participates in a chemical reaction