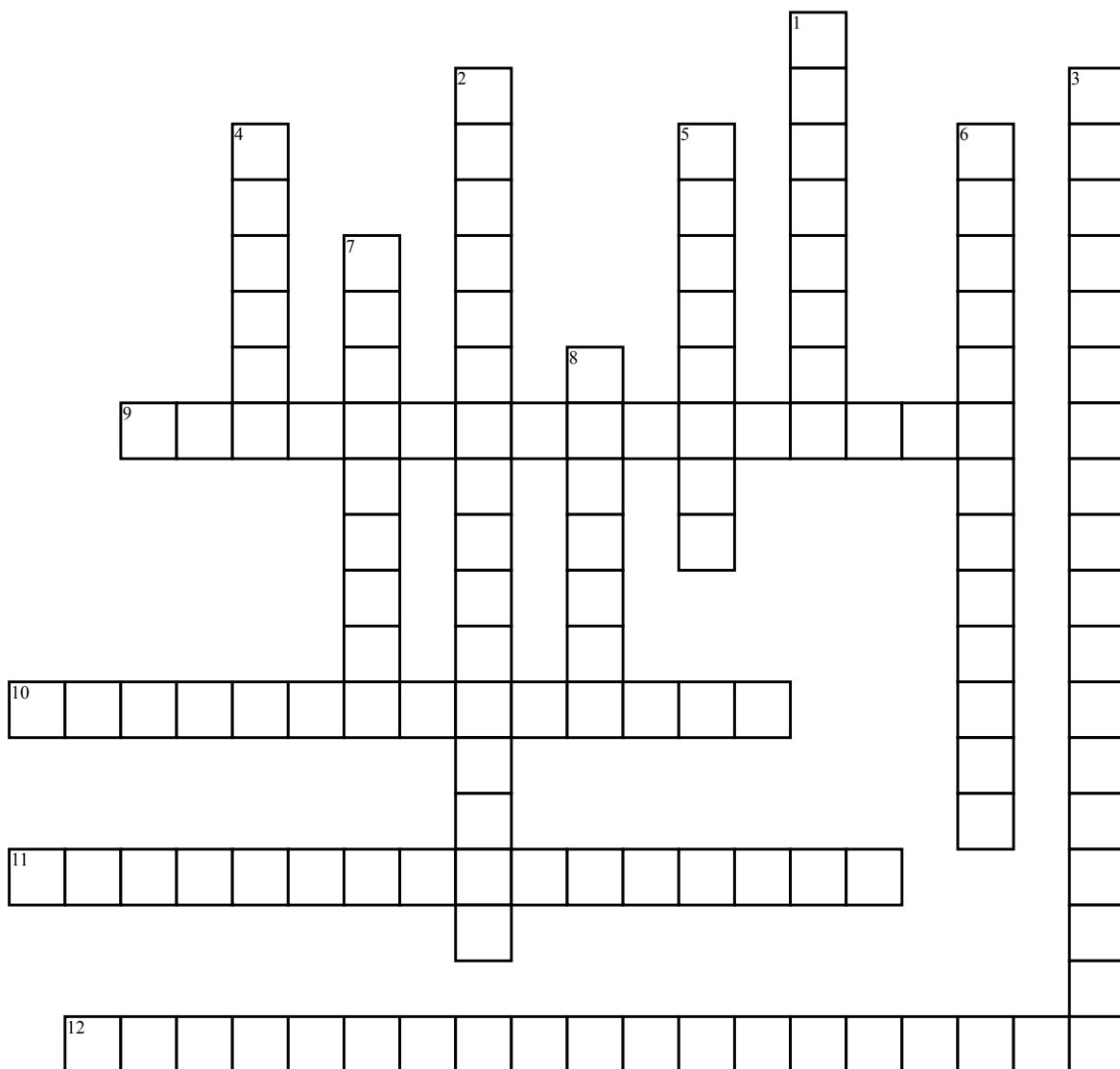


# chemical reactions



## Across

**9.** a process that involves rearrangement of the molecular or ionic structure of a substance, as opposed to a change in physical form or a nuclear reaction.

**10.** Reaction rate, the speed at which a chemical reaction proceeds.

**11.** the minimum quantity of energy that the reacting species must possess in order to undergo a specified reaction.

**12.** An endothermic reaction is any chemical reaction that absorbs heat from its environment.

## Down

**1.** a substance that increases the rate of a chemical reaction without itself undergoing any permanent chemical change.

**2.** A chemical equation is the symbolic representation of a chemical reaction in the form of symbols and formula

**3.** An exothermic reaction is a chemical reaction that releases energy through light or heat.

**4.** a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction.

**5.** a substance that takes part in and undergoes change during a reaction.

**6.** the relative amount of a given substance contained within a solution or in a particular volume of space; the amount of solute per unit volume of solution

**7.** a substance that slows down or prevents a particular chemical reaction or other process

**8.** a substance produced during a natural, chemical, or manufacturing process.