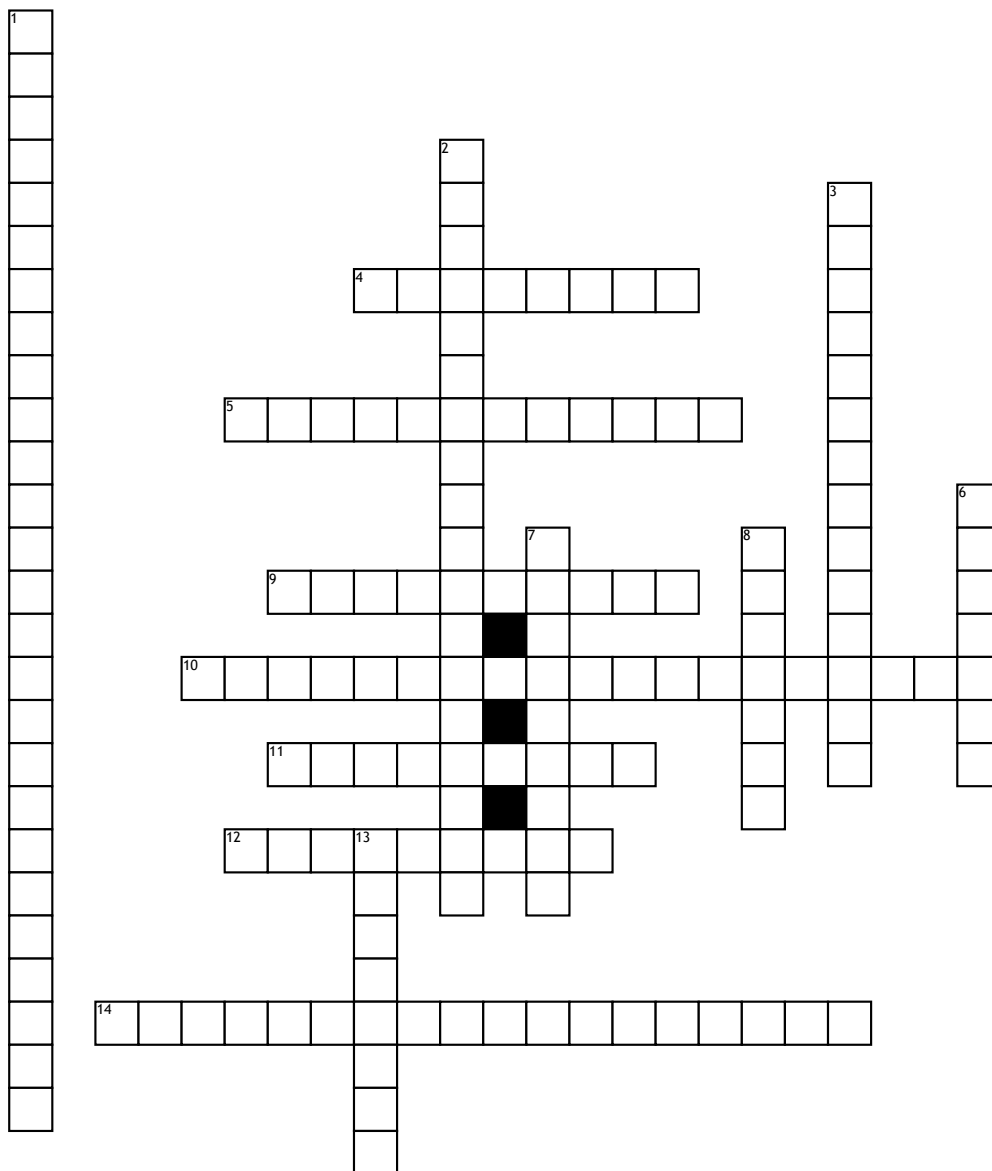


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Science Crossword Puzzle



## Across

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

5. chemical decomposition produced by passing an electric current through a liquid or solution containing ions

9. (of a metabolic or chemical process) accompanied by or requiring the absorption of energy, the products being of greater free energy than the reactants

10. a balanced condition within a system of chemical reactions

11. a substance or layer that underlies something or on which some process occurs, in particular

12. (of a metabolic or chemical process) accompanied by the release of energy

14. high temperature exothermic redox chemical reaction between a fuel and an oxidant, usually atmospheric oxygen

## Down

1. type of chemical reaction where two compounds react and the positive ions and negative ions of the two reactants switch places forming two new compounds

2. noting or pertaining to a chemical change that is accompanied by a liberation of heat

3. energy liberated by a chemical reaction or absorbed in the formation of a chemical compound

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

7. ratios between the amounts in moles of any two compounds involved in a chemical reaction

8. atomic or molecular species with unpaired electrons on an otherwise open shell configuration

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