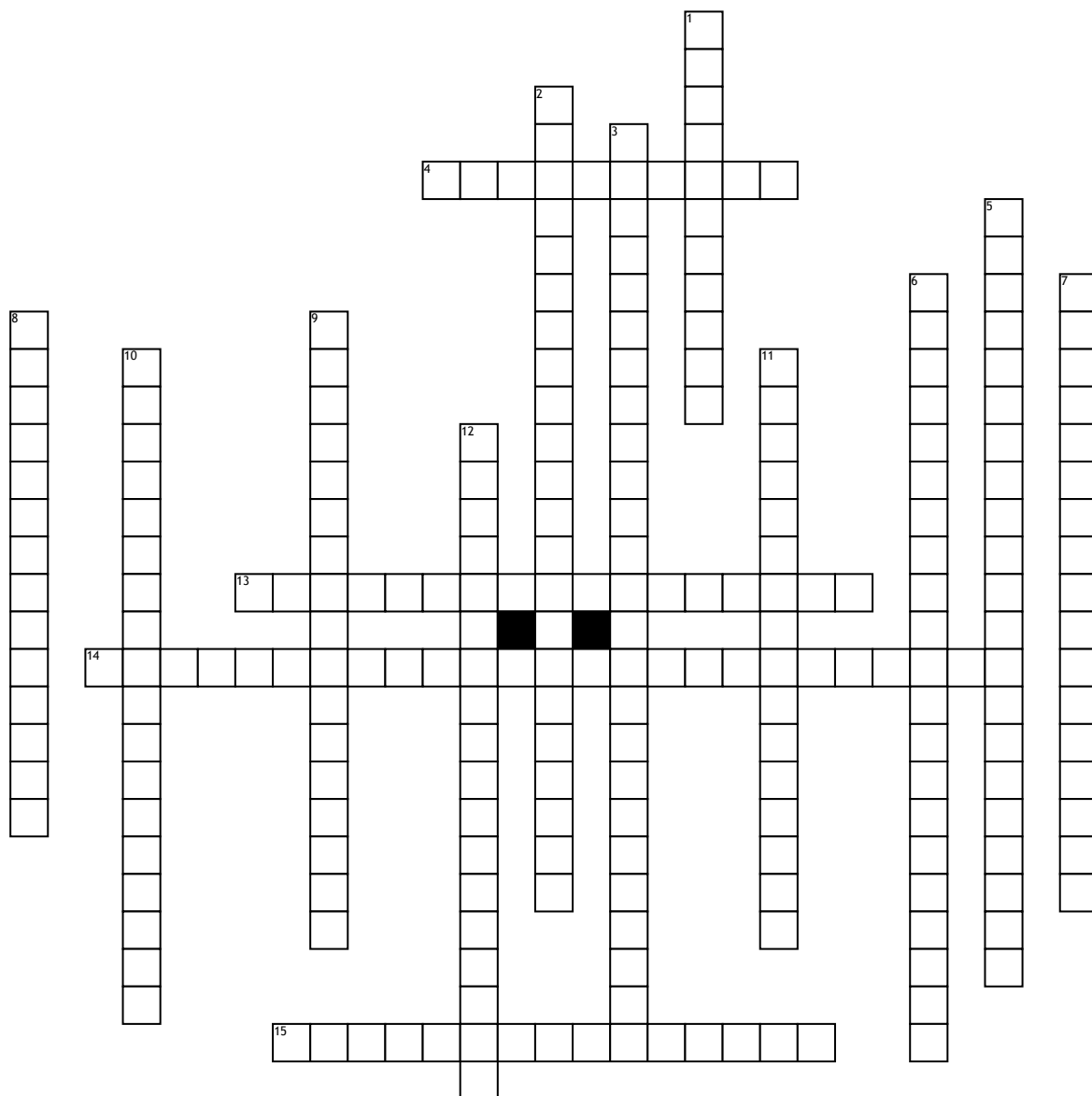


Name: _____

Date: _____

Unit 5: Chemical Reactions



Across

4. the property of a solid, liquid, or gaseous chemical substance (solute) to dissolve in a solvent
13. opposite of reduction; the substance that gives away electrons is oxidized
14. two compounds react, and the cations and anions of the two reactants switch places, forming two new compounds or products
15. number assigned to an element in a chemical reaction that represents the number of electrons lost/gained by an atom of that element in the compound

Down

1. a solid substance produced from a solution
2. chemical reaction in which an acid and a base react with each other
3. an element reacts with a compound and takes the place of another element in that compound
5. a single compound breaks down into two or more elements or compounds
6. chemical reaction where one of the products is a precipitate
7. opposite of oxidation; reaction in which a chemical species decreases its oxidation number, by gaining electrons

8. list of metals ranked in order of decreasing reactivity to predict displacement

9. two or more simple substances combine to form a more complex product

10. reaction in a hydrocarbon reacts with oxygen to form carbon dioxide and water

11. chemical equation which lists only the species participating in the reaction

12. tendency of a substance to undergo chemical reaction