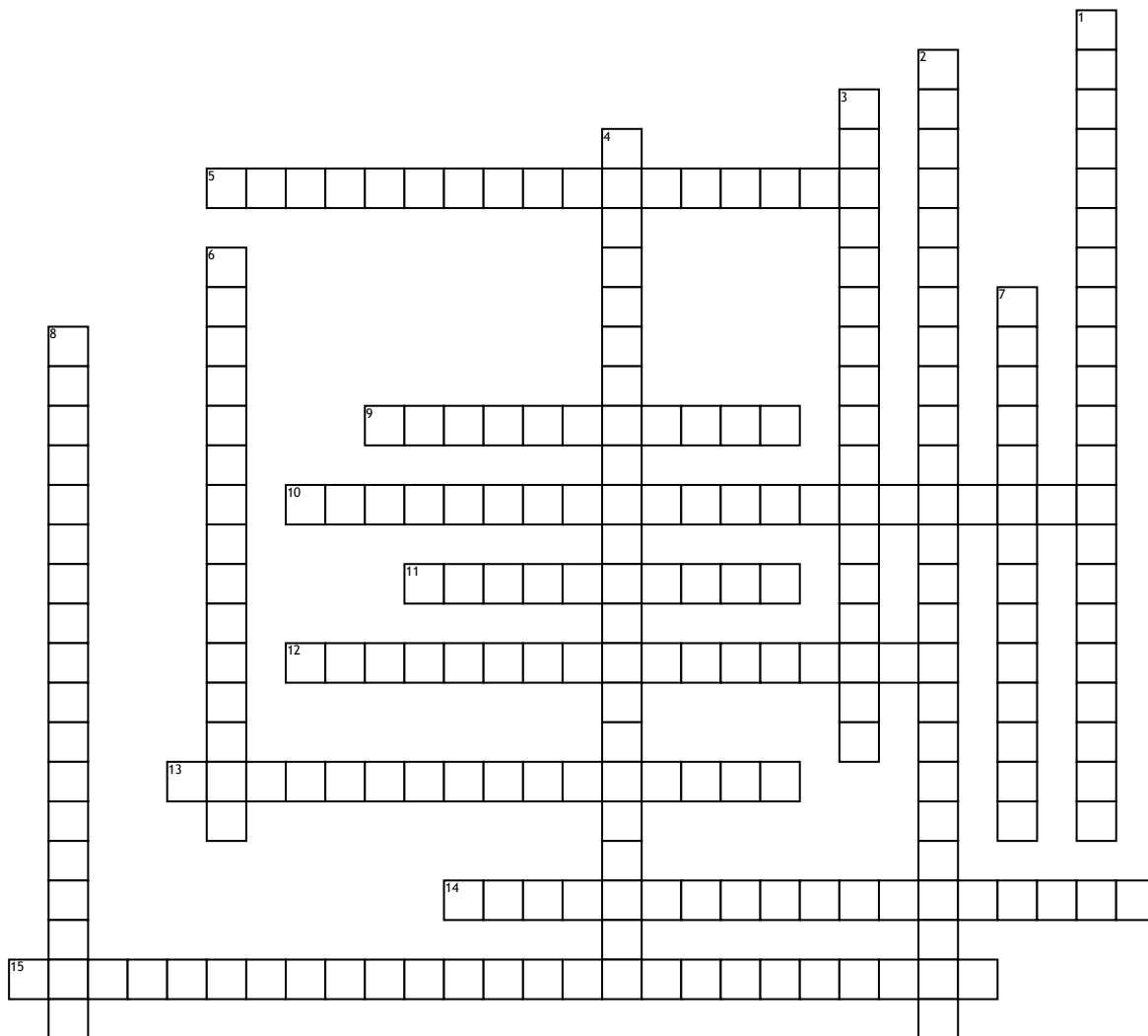


# Unit 5 Vocab



## Across

5. A half-reaction in which a chemical species decreases its oxidation number, usually by gaining electrons.

9. a solution made from a reaction

10. an insoluble solid that emerges from a liquid solution.

11. able to be dissolved, especially in water

12. when one atom or compound will steal electrons from another atom or compound.

13. a chemical equation for a reaction which lists only those species participating in the reaction.

14. the tendency of a substance to undergo chemical changes in a system.

15. involves the exchange of bonds between chemical species which results in the creation of products with similar bonding affiliations.

## Down

1. separation of a substance into two or more substances that may differ from each other and from the original substance.

2. a type of oxidation-reduction chemical reaction when an element or ion moves out of one compound and into another—that is, one element is replaced by another in a compound.

3. a purposeful execution of chemical reactions to obtain a product, or several products.

4. a chemical reaction in which an acid and a base react quantitatively with each other.

6. a number assigned to an element in chemical combination that represents the number of electrons lost (or gained, if the number is negative) by an atom of that element in the compound.

7. list of metals ranked in order of decreasing reactivity to displace hydrogen gas from water and acid solutions.

8. occur when oxygen reacts with another substance and gives off heat and light.