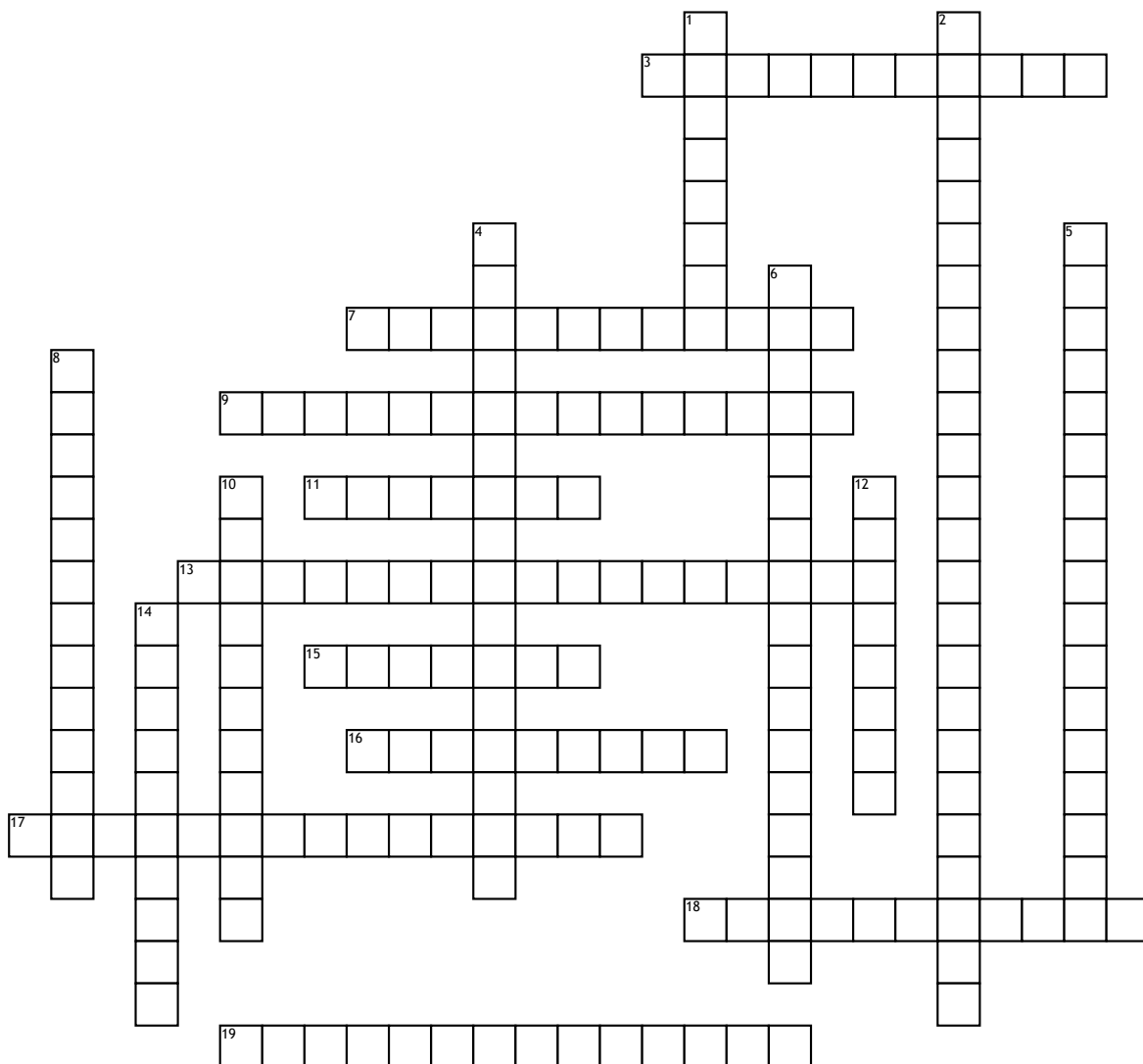


Name: _____

Date: _____

Chemistry Ch. 8 Vocabulary



Across

3. A molecule that contains three different elements - hydrogen, oxygen, and another nonmetal
7. A system of naming that follows a standardized set of rules
9. The number of electrons that an atom in a compound must gain or lose to return to its neutral state
11. A compound that holds a characteristic number of water molecules within its crystalline structure
13. A chemical reaction of the general form $AY + BZ \rightarrow AZ + BY$, in which the cation of one compound combines with the anion of another compound, or vice versa
15. An element or compound that is the result of a chemical reaction and is written to the right of the arrow in a chemical equation

16. A chemical reaction of the general form $A + B \rightarrow AB$, in which two or more reactants combine into a single product

17. An ionic compound that contains polyatomic ions

18. A solid that settles out of a solution as the result of physical or chemical changes

19. A compound consisting of two different nonmetal atoms

Down

1. An element or compound that undergoes a chemical change and is written to the left of the arrow in a chemical equation

2. A chemical equation in which coefficients are arranged to show the conservation of mass in a reaction

4. An expression that represents the reactants and products in a chemical reaction by using chemical formulas, symbols, and numerical coefficients

5. A chemical reaction of the general form $A + BZ \rightarrow B + AZ$, in which a reactive element replaces a less reactive element in a compound

6. Nomenclature that indicates how many atoms of each element are in a binary covalent compound or how many water molecules are in a hydrate

8. A chemical reaction of the general form $AB \rightarrow A + B$, in which a reactant breaks down into two or more products

10. A convention used to show the different oxidation states of the same metal ion in an ionic compound

12. A substance that changes a reaction rate without being permanently changed in the process

14. A molecule that consists of hydrogen and one other nonmetal that are dissolved in water