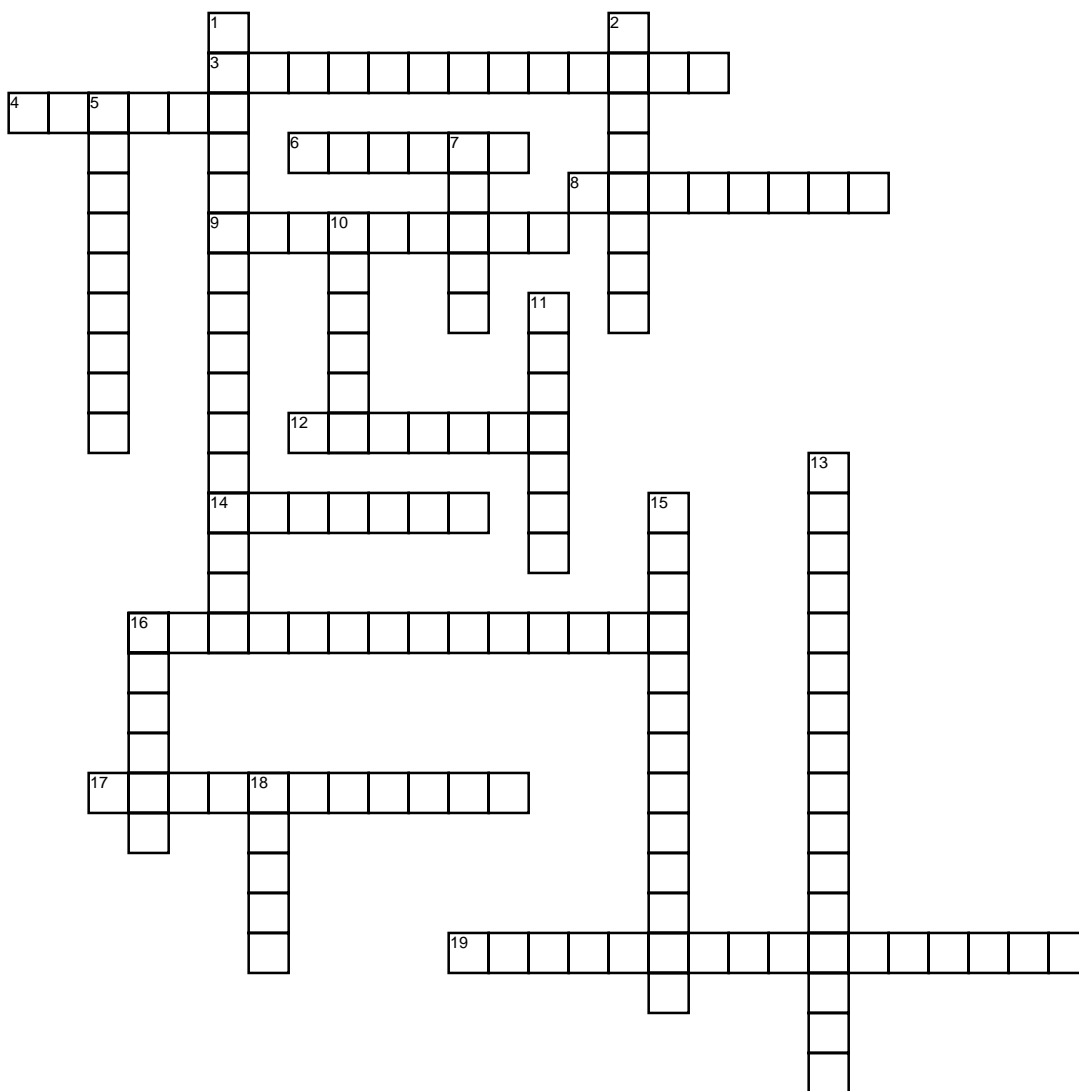


Unit 2 Vocab Puzzle, Modern_Chemistry

Name _____ Date _____

Instructions: Complete the puzzle. Use the clues to help you fill the boxes with the correct words.



ACROSS

3. composed of dissimilar components
4. a vertical column of the periodic table
6. in physical science, a state of matter that starts as a gas and then becomes ionized
8. a substance or molecule that participates in a chemical reaction
9. the scientific study of the composition, structure, and properties of matter and the changes that matter undergoes
12. a substance that forms in a chemical reaction
14. a substance that cannot be separated or broken down into simpler substances by chemical means; all atoms of an element have the same atomic number

16. a change of matter from one form to another without a change in chemical properties
17. describes something that has a uniform structure or composition throughout
19. the process by which one or more substances change to produce one or more different substances

DOWN

1. a characteristic of a substance that does not involve a chemical change, such as density, color, or hardness
2. an element that conducts heat and electricity poorly and that does not form positive ions in an electrolytic solution
5. an element that has properties of both metals and nonmetals; sometimes referred to as a semiconductor
7. an element that is shiny and that conducts heat and electricity well
10. anything that has mass and takes up space
11. a combination of two or more substances that are not chemically combined
13. a property of matter that describes a substance's ability to participate in chemical reactions
15. a sample of matter, either a single element or a single compound, that has definite chemical and physical properties
16. in chemistry, a horizontal row of elements in the periodic table
18. a vertical column of elements in the periodic table; elements in a group share chemical properties