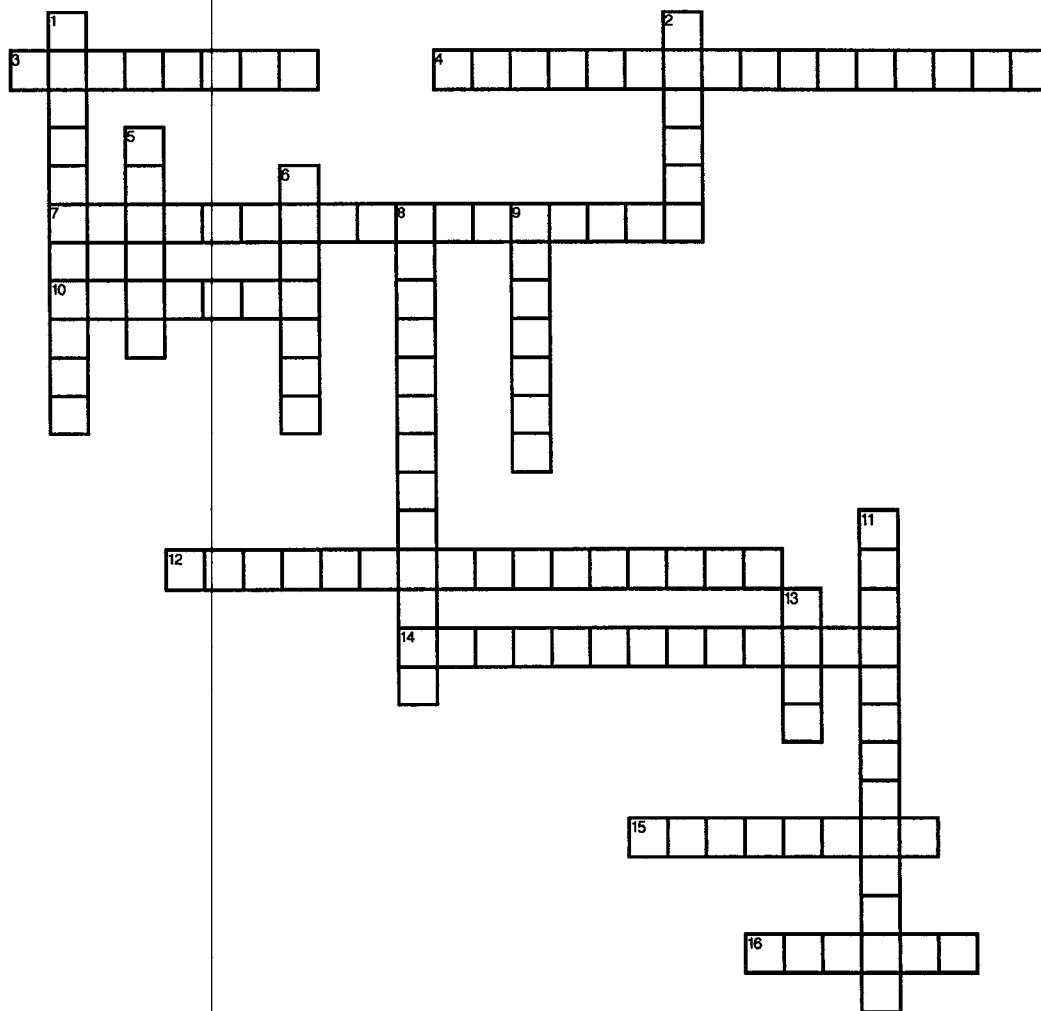


Crossword 10/13/11, Modern_Chemistry

Name _____ Date _____

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



ACROSS

3. a substance made up of atoms of two or more different elements joined by chemical bonds
4. a characteristic of a substance that does not involve a chemical change, such as density, color, or hardness
7. a property that depends on the extent or size of a system
10. 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
12. the process by which one or more substances change to produce one or more different substances
14. the change of a substance from one physical state to another
15. a substance or molecule that participates in a chemical reaction

16. the state of matter that has a definite volume but not a definite shape

DOWN

1. describes something that has a uniform structure or composition throughout
2. a vertical column of the periodic table
5. anything that has mass and takes up space
6. a combination of two or more substances that are not chemically combined
8. a sample of matter, either a single element or a single compound, that has definite chemical and physical properties
9. a substance that forms in a chemical reaction
11. composed of dissimilar components
13. a measure of the amount of matter in an object