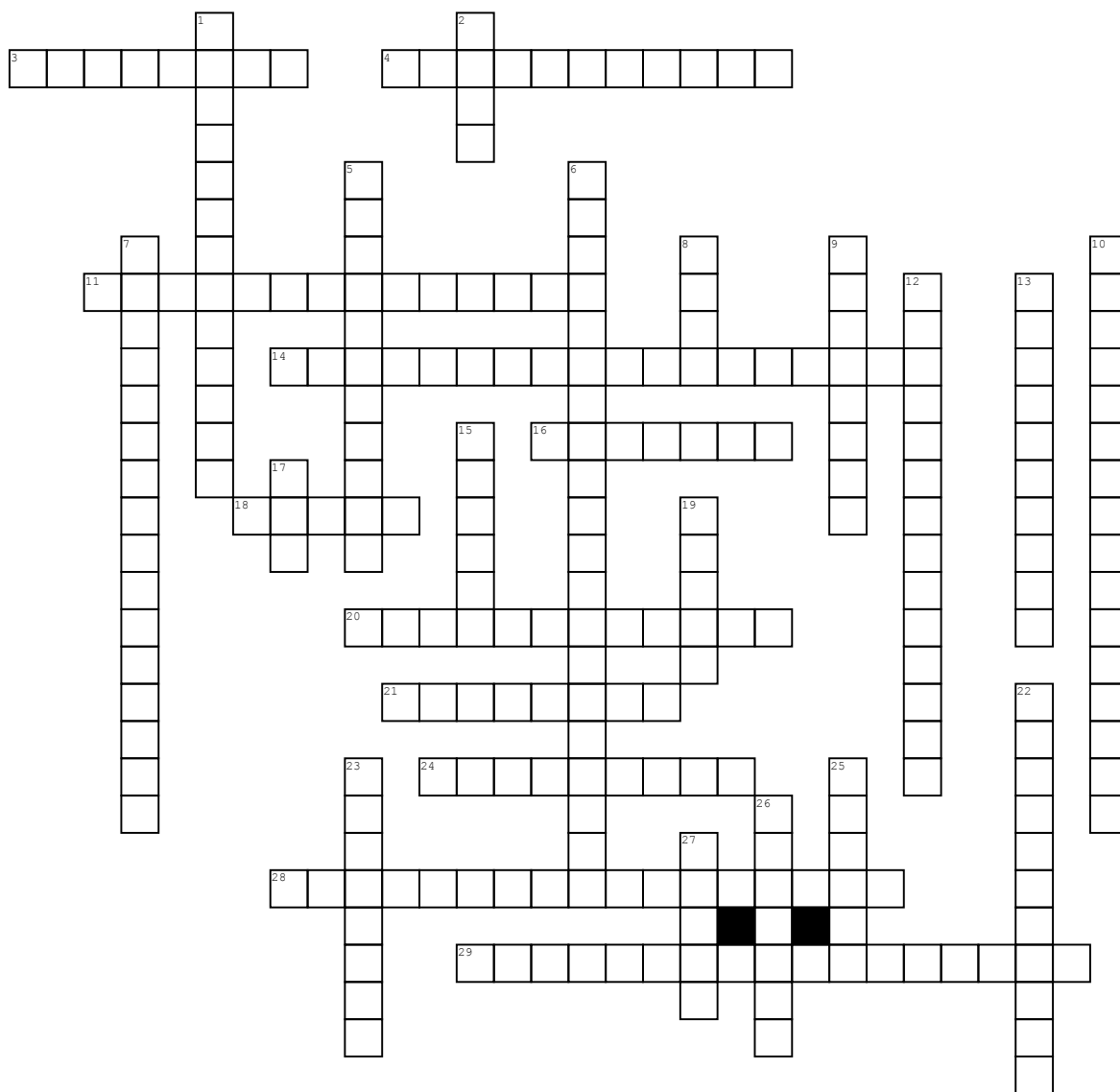


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Chemistry Vocab Cross Word Puzzle



## Across

3. A substance compound composed of multiple elements combined in fixed properties  
 4. Related to the description of something in non-numerical terms  
 11. A change that does not change the chemical identity of a substance such as changes of phase, temperature, shape or concentration  
 14. A mixture with a uniform composition  
 16. The quantity of mass per unit volume  
 18. The gaseous state of a sample of matter that would otherwise be a liquid or gas at room temperature  
 20. The process by which a sample of matter changes from a gaseous state to a liquid state  
 21. A homogeneous aqueous mixture  
 24. Elements or compounds that can only be separated or combined to make substance with new properties by means of a chemical reaction  
 28. Properties of a substance that are dependent on the amount of a substance present  
 29. Properties of a substance that do not depend on the amount of the substance present

## Down

1. Any single type of substance  
 2. The amount of matter in an object

5. The process by which a sample of matter changes directly from the solid state to the gaseous state without going through the liquid state  
 6. A mixture within a non-uniform component in which the individual component are distinct and visible  
 7. Properties that include all of the possible chemical changes that a sample of matter can go through  
 8. The smallest unit of an element that has all of the properties of that element containing a nucleus within an electron cloud  
 9. A homogeneous aqueous mixture  
 10. What is the properties that describe matter including color, feel, smell, boiling point, melting point, and density  
 12. A change that occurs when a new substance is created with different properties; observable as a color change the production of gas or a precipitate or the release of heat or light  
 13. The mass of a single atom, molecule or subatomic particle nearly equal (exactly equal for carbon) to the sum of the numbers of the protons and neutrons

15. A state of matter where the shape is variable and dependent on the shape of the container, the volume is constant and the particles move independently within a substance  
 17. A state of matter where the shape and volume are variable and dependent on the shape of the closed container and where the particles are completely independent of each other  
 19. A state of matter that has no fixed shape or structure such as a liquid or a gas  
 22. The process by which a matter in the surface of a liquid changed from a liquid to a vapor  
 23. The physical and chemical characteristics of a substance or element  
 25. Anything that has volume and mass  
 26. One of the primary substances that make up matter and can not be chemically broken down or converted into other substances defined by the atomic number  
 27. A state of matter where the shape is constant and rigid where the volume is constant and where the particles vibrate in a fixed position