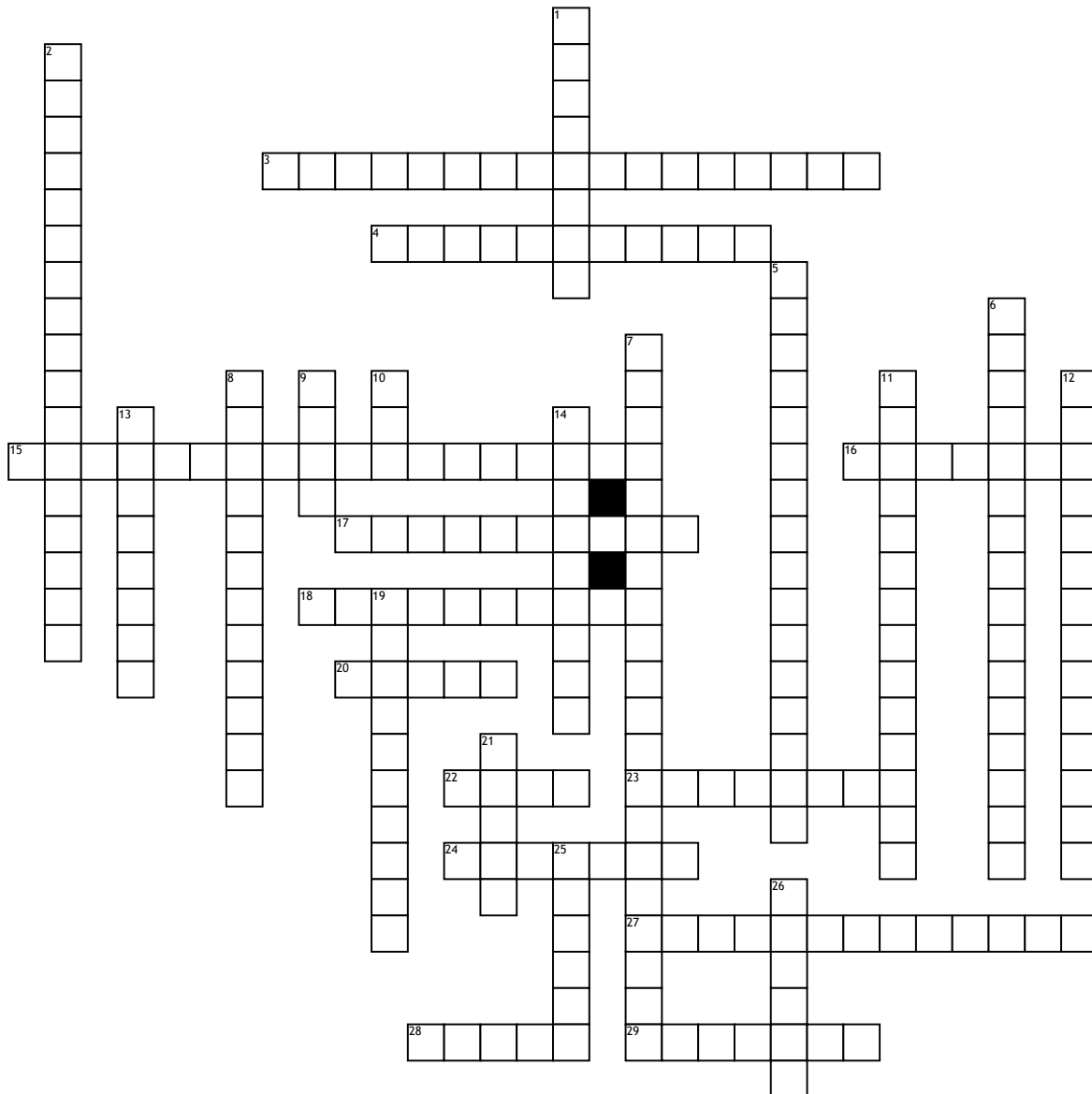


Matter vocabulary crossword puzzle



Across

3. property of a substance that do not depend on the amount of the substance present
4. related to the description of something in non numerical terms
15. a mixture with a uniform composition
16. the quantity of mass per unit volume
17. a heterogeneous mixture containing particles large enough to settle
18. related to the description of something in numerical terms
20. 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
22. the amount of matter in a object
23. a homogeneous aqueous mixture
24. a homogeneous mixture in which the particles are indefinitely suspended in the medium which may be a gas, a liquid, or a solid
27. the effect that occurs when light is scattered through a colloid, causing the light beam to become visible as it travels through the mixture

28. a state of matter that has no fixed shape or structure, such as a liquid or gas

29. one of the primary substances that make up matter and cannot be chemically broken down or converted into other substances; defined by the atomic number

Down

1. the physical and chemical characteristics of a substances or element
2. properties of a substance that are dependent on the amount of a substance present
5. properties that include all of the possible chemical changes that a sample of matter can go through
6. properties that describe matter including color, feel, smell, boiling point, melting point, and density
7. a mixture with a non uniform composition in which the individual components are distinct and visible
8. the process by which a sample of matter changes from a gaseous state to a liquid state
9. the smallest unit of an element that has all the properties of that element containing a nucleus within an electron cloud

10. 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 an alter

11. a change that occurs when a new substance is created with different properties; observable as a color change, the production of a gas or a precipitate, or the release of heat or light

12. a change that does not change the chemical identity of a substance, such as changes of phase, temperature, shape or concentration

13. a substance composed of multiple elements combined in fixed proportions

14. elements or compounds that can only be separated or combined to make substances with new properties by means of chemical reaction

19. the mass of a single atom

21. the gaseous state of a sample of matter that would otherwise be a liquid or gas at room temperature

25. 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 the substance

26. anything that has volume or mass