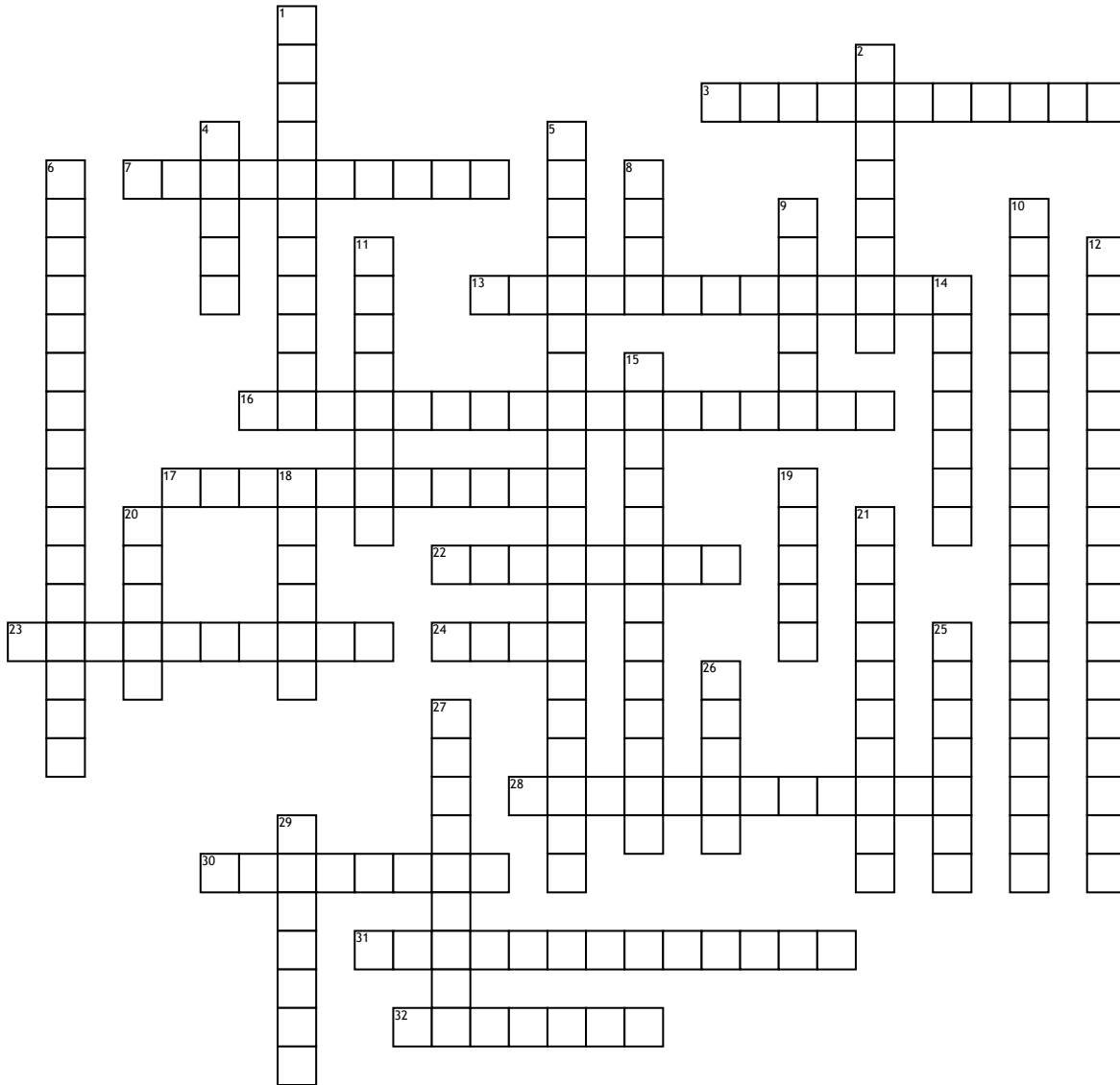


Matter



Across

3. The process which a matter on the surface of a liquid changes from a liquid to a vapor
 7. The mass of a single atom, molecules, or subatomic particles
 13. Any single type of substance
 16. Properties of a substance that are dependent on the amount of substance present
 17. Related to something in non-terms
 22. A homogeneous aqueous mixture
 23. The process by which a sample of matter changes directly from the gaseous state to the solid state
 24. The smallest unit of an element that has all of the properties of that element containing a nucleus within an electron cloud
 28. Related to the description of something in numerical terms
 30. The physical and chemical characteristics of a substance
 31. The effect that occurs when light is scattered through a colloid, causing the light beam to become visible as it travels through the mixture
 32. The quantity of mass per unit volume

Down

1. The process by which a sample of matter changes directly from a solid state to gaseous state without going through the liquid state

2. A substance composed of multiple elements combined in fixed proportions
 4. 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
 5. A mixture with a non-uniform composition in which the individual components are distinct and visible
 6. Properties that include all of the possible chemical changes that a simple matter can go through
 8. The amount of matter in an object
 9. Anything that has volume and mass
 10. A mixture with a uniform composition
 11. The physical and chemical characteristic of a substance or element
 12. Properties of a substance that are dependent on the amount of a substance present
 14. 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
 15. The temperature at when a liquid turns into a solid when cold
 18. A state of matter where the shape is variable and depends on the shape of the container, the volume is constant, and the particle more independently within the substance
 19. A state of matter that has no fixed shape or structure, such as liquid or a gas

20. The gaseous state of a simple of matter that would otherwise be a liquid or gas at room temperature
 21. A heterogeneous mixture containing particles large enough to settle
 25. 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
 26. A state of matter that has no fixed shape or structure, such as a liquid or a gas
 27. Elements or compound that can only be separated or combined to make substances with new properties by means of a chemicals reactions
 29. A homogeneous mixture in which the particles are indefinitely suspended in the medium, which may be a gas, a liquid, or a solid