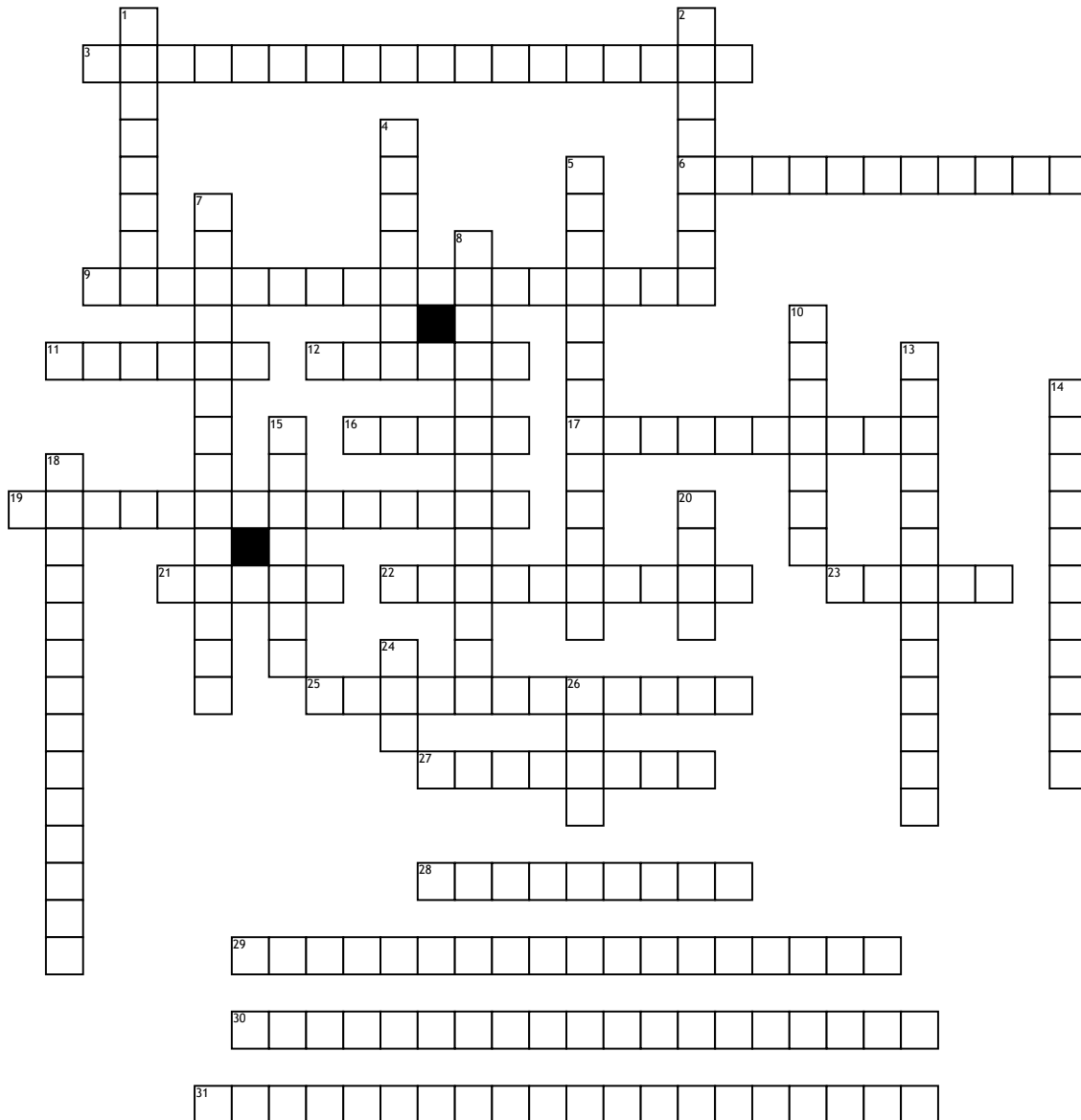


matter



Across

3. a mixture with a uniform composition
 6. the process by which a matter on the surface of a liquid changes from a liquid to a vapor.
 9. properties of a substance that don't depend on the amount of the substance present.
 11. 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.
 12. anything that has volume and mass
 16. a state of matter that has no fix shape or structure, such as a liquid or gas
 17. a heterogeneous mixture containing particles large enough to settle
 19. properties that include all of the possible changes that a sample of matter can go through
 21. the gaseous state of a sample of matter that would otherwise be a liquid or gas at room temperature.
 22. the mass of a single atom molecule, or a subatomic particle; nearly equal for (exactly equal for carbon) to the sum of the numbers of protons and neutrons
 23. the state of matter where the shape is constant and rigid, where the volume is constant, and where the particles vibrate in a fixed position
 25. related to the description of something in numerical terms

27. a substance composed of multiple elements combined in fixed properties

28. elements or compounds that can only be separated or combined to make substance with new properties by the means of a chemical reaction

29. properties that describe matter including color, feel, smell, boiling point, melting point and density

30. properties of a substance that are dependent on the amount of the substance present

31. a mixture with a non-uniform composition in which the individual components are distinct and visible

Down

1. a homogeneous aqueous mixture

2. the physical and chemical characteristic of a substance or element

4. 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

5. any single type of substance

7. 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 the heat or light

8. the temperature at which a liquid turn into a solid when cooled

10. the quantity of mass per unit volume g/l

13. the effect that occurs when light beams to become visible as it travels through the mixture

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

15. a homogeneous mixture in which the particles are indefinitely suspended in the medium, which mainly be gas, a liquid, or a solid

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

20. the amount of matter

24. a state of matter where the shape is variable and dependent on the shape of the closed container, and where the particles are completely independent of each other

26. the smallest unit of an element that has all of the properties of that element containing a nucleus within an electron cloud