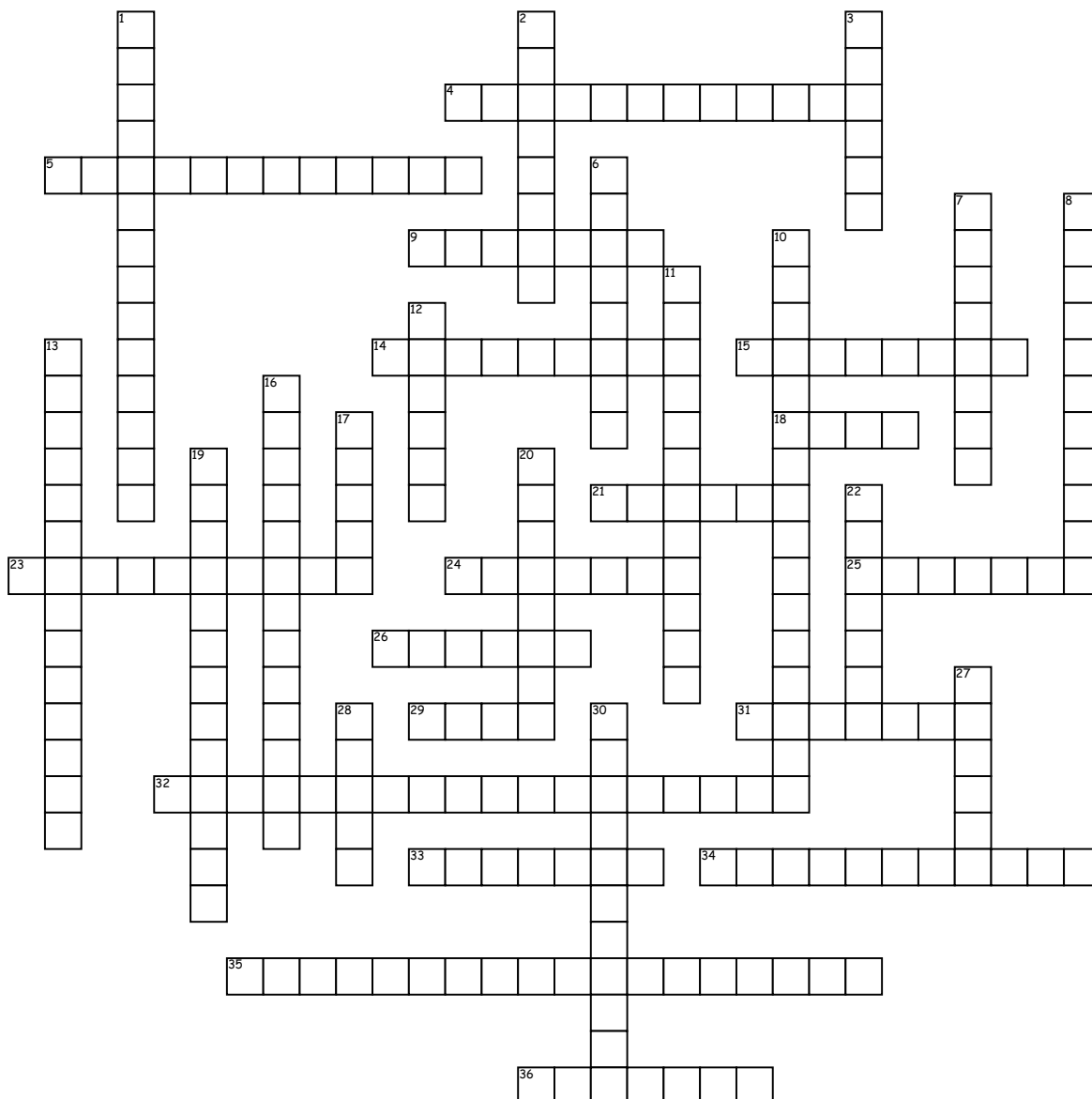


Mixtures and Solutions



Across

4. It is when a solid turns into a liquid.
5. The particular temperature for a substance at which it changes state from a liquid to a gas.
9. The center of an atom that has the most of its mass.
14. A substance that is formed by the chemical combination of two or more elements and that acts like a single substance.
15. A substance at the end of a chemical reaction of two substances.
18. The smallest unit of an element that retains the properties of that element.
21. A substance that is dissolved by another substance to form a solution.
23. The maximum amount of substance that can be dissolved by another substance.
24. A substance that dissolves one or more other substances to form a solution.
25. A particle in the space outside the nucleus of an atom that carries one unit of negative charge.
26. A particle within the nucleus of an atom that carries one unit of positive electric charge.
29. The amount of matter in a solid, liquid, or gas.

31. A physical combination of two or more substances that are blended together without forming a new substance.

32. A substance that can attract and repel

33. A particle in a nucleus of an atom that has no net electric charge.

34. A solid formed by a chemical.

35. The contraction of matter caused by a change in heat

36. The amount of matter in a given volume.

Down

1. A change in matter that occurs when atoms link together in a new way, creating a new substance different from the original substance.

2. A particle that contains more than one atom joined together.

3. Any solid, liquid, gas that has mass and can take up space.

6. The upward push of a liquid or gas on an object.

7. A mixture of substances that are blended so completely that the mixture looks the same everywhere.

8. The process of changing directly from a solid to gas without first becoming a liquid.

10. The expansion of matter caused by a change in heat.

11. The process of separating the parts of a mixture by evaporation or condensation.

12. The amount of space an object can take up.

13. When a solid, liquid, or gas changes state.

16. It is when a liquid turns into a solid when temperature changes.

17. A solution of a metal and at least one other solid which is often also a metal.

19. A change of matter in size, shape, or state without change in identity

20. A type of mixture in which the particles of one material are scattered through another and block the passage of light without settling out.

22. A pure substance that cannot be broken down into any simpler substance through chemical reactions.

27. a measure on how gravity pulls on an object

28. Any group of elements that conducts heat and electricity, has a shiny luster, and is flexible.

30. It is when a particle leaves a liquid and turns into a gas