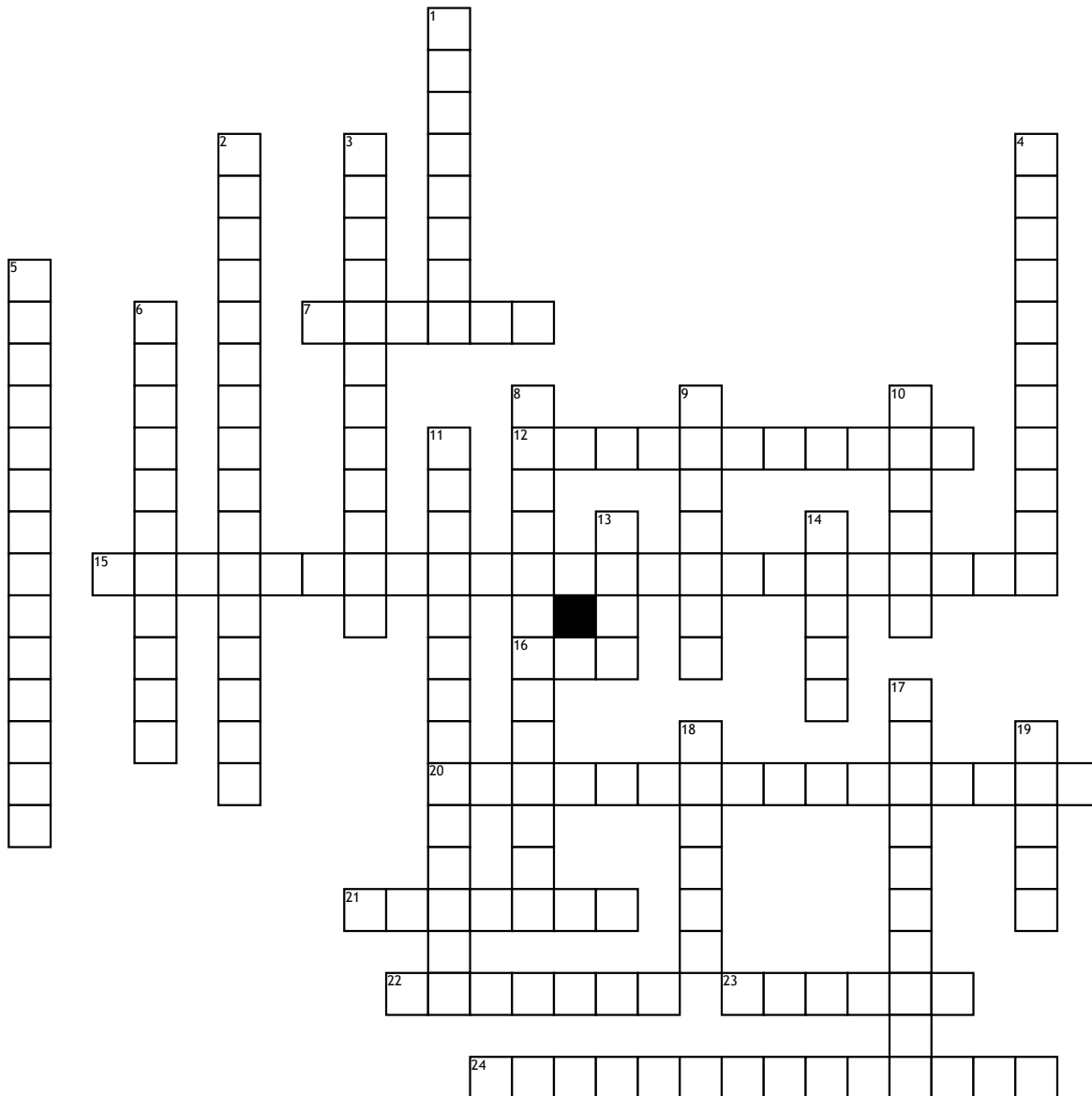


Matter



Across

7. a measure of the gravitational force on an object
 12. state from a liquid to a gas
 15. mass is not created or destroyed by is only transformed into different substances
 16. does not have a definite volume or shape
 20. describes a substance's ability to change into a new substance with different properties
 21. measure of the amount of mass in a given volume
 22. change of state from a solid to a liquid
 23. substance has a definite volume but not a definite shape

24. a substance that has definite physical and chemical properties such as appearance, melting point, and reactivity

Down

1. the change in state in which a liquid becomes a solid
 2. a characteristic of a substance that can be observed and measured without changing the identity of the substance
 3. change of state from a gas to a liquid
 4. a mixture where the substances are evenly spread throughout
 5. occurs when one or more substances change into entirely new substances with different properties
 6. change from a solid state directly to a gas

8. a mixture that does not have a uniform composition
 9. rapid change from a liquid to a gas
 10. the amount of space that an object takes up, or occupies
 11. a change that affects one or more physical properties of a substance
 13. describes the amount of matter in an object
 14. substance has a definite volume and shape
 17. the change in state from a gas directly to a solid
 18. anything that has mass and takes up space
 19. the smallest unit of an element that maintains the properties of that element