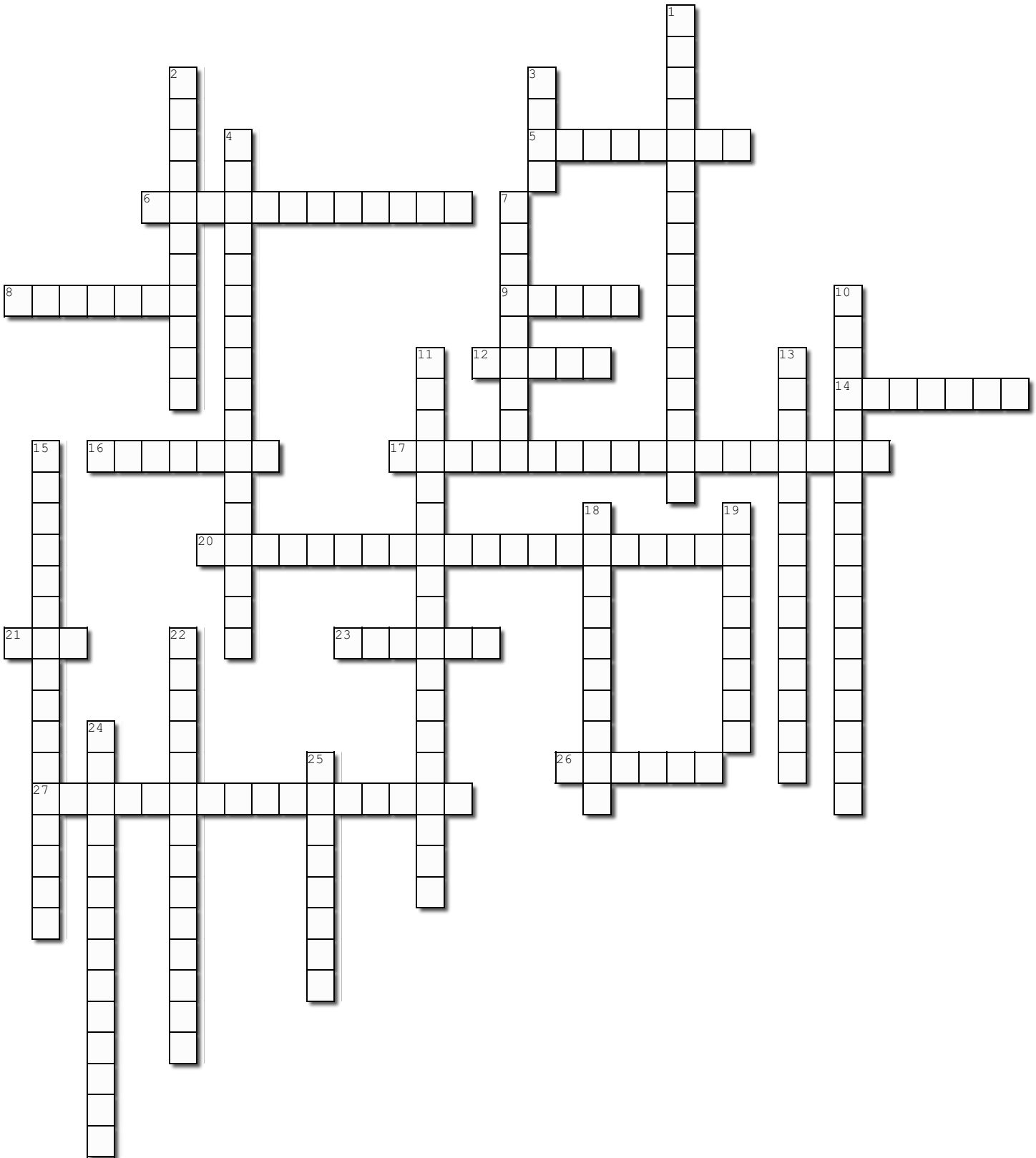


Name: \_\_\_\_\_

# Chemistry Chapter 2 Vocabulary Crossword Puzzle

Complete the crossword puzzle below.



## **Across**

5. another name for a homogeneous mixture
6. the process of separating a mixture based on the substances' different boiling points
8. a substance produced in a reaction
9. a form of matter that has a definite shape and volume
12. the gaseous state of a substance that is generally a liquid or solid at room temperature
14. the simplest form of matter that has a unique set of properties
16. a physical blend of two or more components
17. the law of \_\_\_\_\_ states that in any physical change or chemical reaction, mass is neither created nor destroyed
20. a mixture in which the composition is not uniform throughout
21. a form of matter that takes both the shape and volume of its container
23. a form of matter that has an indefinite shape, flows, yet has a fixed volume
26. a measure of the space occupied by an object
27. a quality or condition of a substance that can be observed or measured without changing the substance's composition

## **Down**

1. one or more substances change into one or more new substances
2. a solid that forms and settles out of a liquid mixture
3. a measure of the amount of matter an object contains
4. a property that depends on the amount of matter in a sample
7. matter that has a uniform and definite composition
10. a property that depends on the type of matter in a sample, not the amount of matter
11. a mixture in which the composition APPEARS uniform throughout
13. one or two letters that represent an element
15. the ability of a substance to undergo a specific chemical change
18. the process that separates a solid from the liquid based on particle size
19. a substance present at the start of a reaction
22. a change that produces matter with a different composition than the original matter
24. some properties of a material change, but the composition of the material does not change
25. a substance that contains two or more elements chemically combined in a fixed proportion