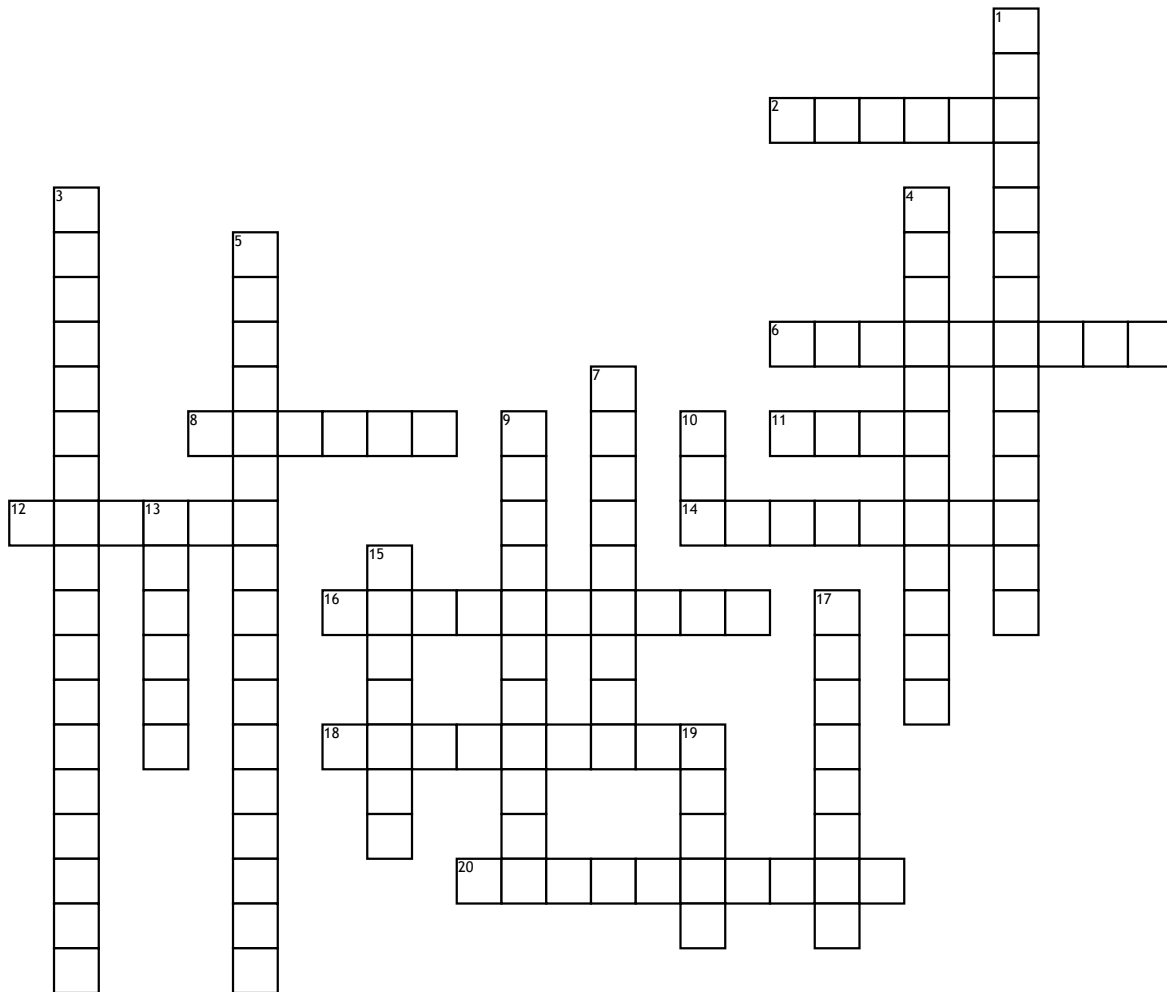


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Properties of Matter



## Across

- 2. space and object takes up
- 6. do not react with other substances
- 8. definite volume but no definite shape
- 11. matter in an object
- 12. hot mixture of ions and electrons
- 14. when a substance dissolves in another
- 16. transfer of thermal energy by the motion of fluids
- 18. substances that change or react

- 20. describes how easily a substance reacts with another

## Down

- 1. when two or more substances are combined and changed into new substances with new properties
- 3. features of all matter that can be observed and measured without changing the chemical composition of the solution
- 4. describes whether or not a substance will burn
- 5. another name for chemical changes

- 7. transfer of thermal energy by electromagnetic waves

- 9. a measure of the average kinetic energy of the particles in an object
- 10. neither a definite shape or definite volume
- 13. substance that dissolves
- 15. substance in which the solute dissolves
- 17. new substances produced
- 19. definite shape and volume