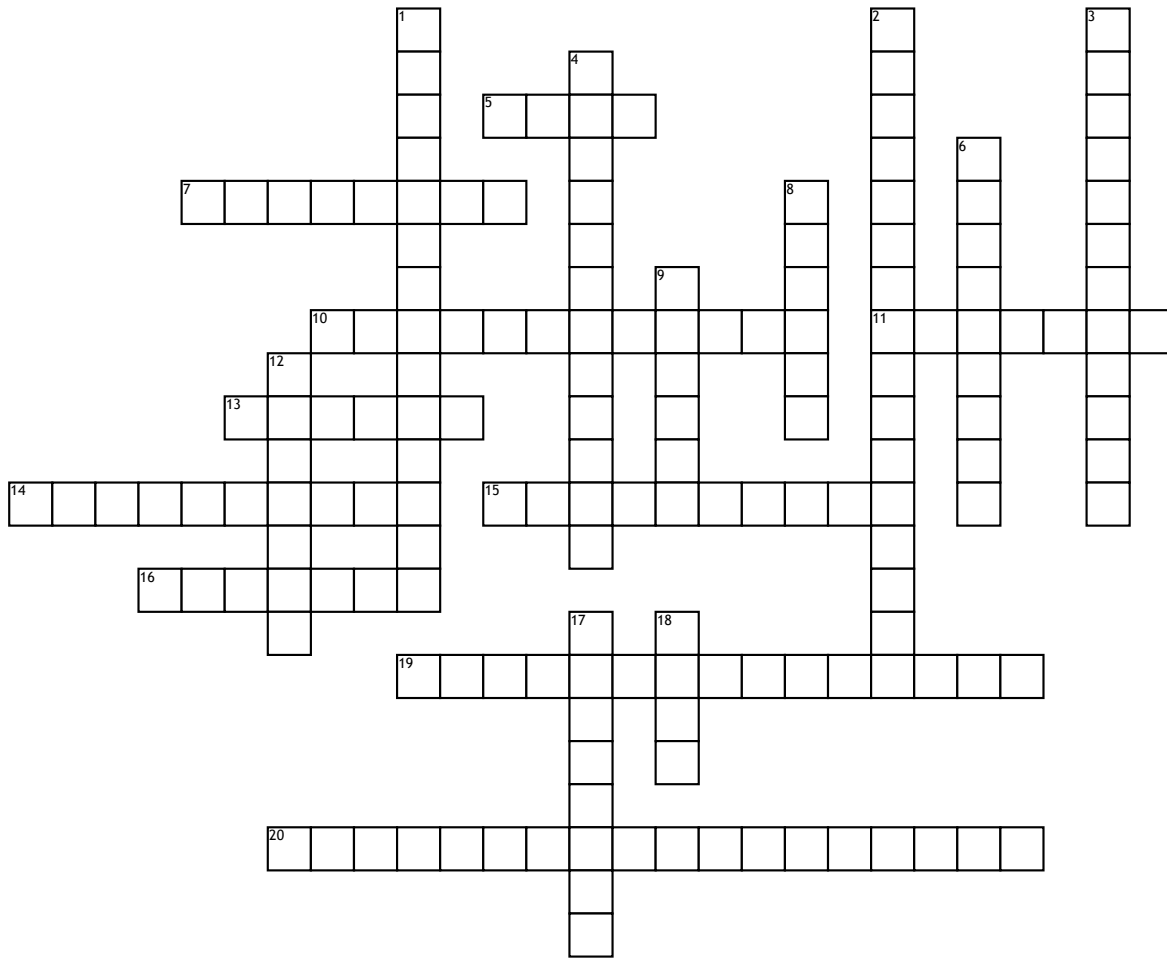


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# properties and changes of matter



## Across

- 5. small particle that's part of a block of matter
- 7. when one substance dissolves in another
- 10. the temperature at which a solid melts
- 11. a substance consisting of one type of atom
- 13. the pull on objects due to gravity
- 14. the particles of one substance are temporarily mixed in another
- 15. the transfer of thermal energy by the motion of fluids

- 16. when two or more substances come together but don't combine
  - 19. changes in the shape and size of an object
  - 20. features of all matter that can be observed and measured without changing the chemical composition of the substance
- ## Down
- 1. telling what can happen to an object due to its chemical composition
  - 2. an adding of thermal energy
  - 3. the movement of thermal energy from one place to another

- 4. the temperature at which a liquid turns to gas
- 6. a measure of the average kinetic energy in an object
- 8. anything that has mass and takes up space
- 9. the amount of space an object takes up
- 12. the amount of mass per unit volume
- 17. to form a solution by mixing evenly
- 18. the amount of matter in an object