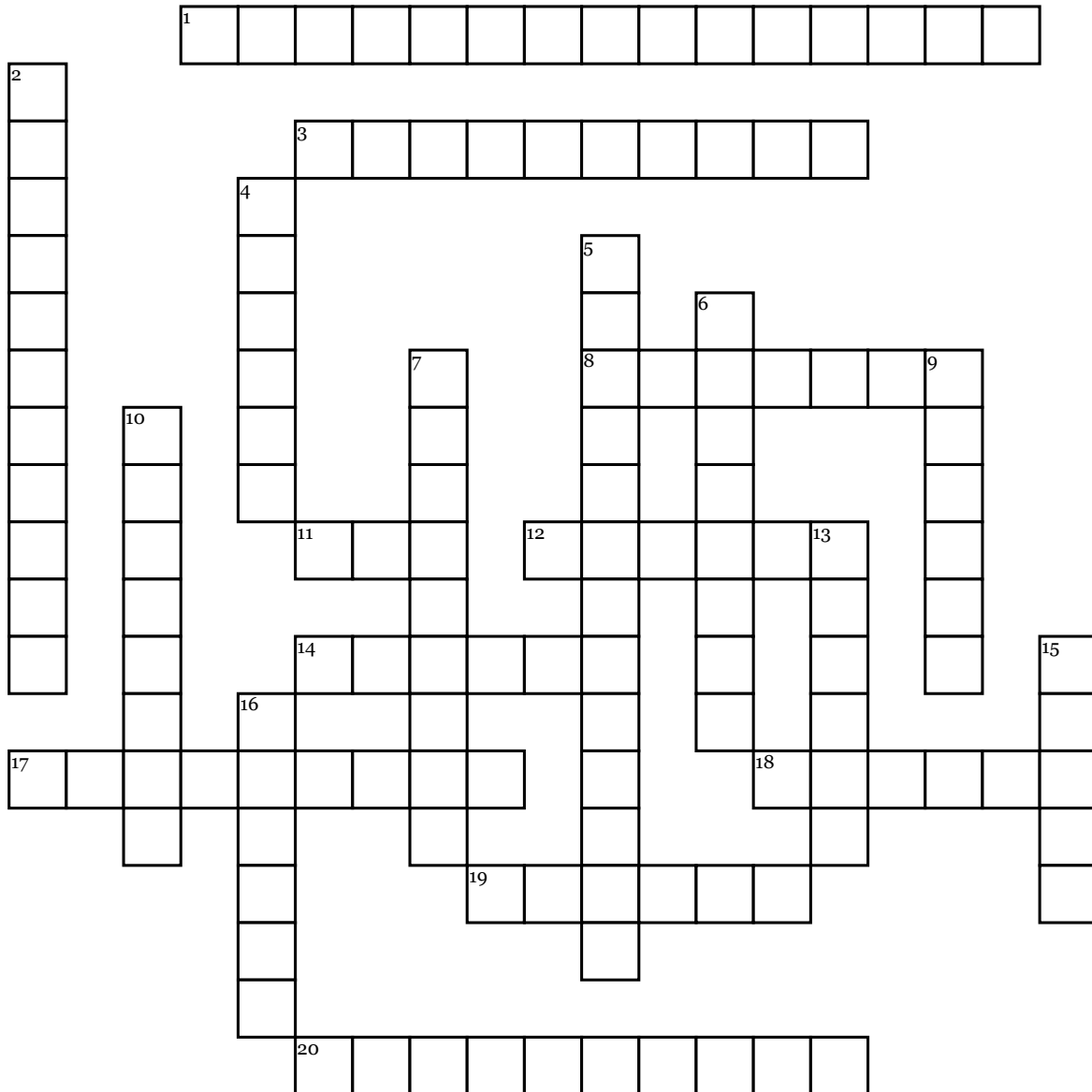


# Matter



**Across**

- 1. Radiation is the transfer of thermal energy by \_\_\_\_\_ waves
- 3. Where is matter?
- 8. Heat transfer is the movement of \_\_\_\_\_ energy from one place to another
- 11. The boiling point of a liquid is when a liquid turns into a \_\_\_\_\_
- 12. Concentration means the amount of \_\_\_\_\_ is low compared to the amount of solvent
- 14. a liquid only has a definite \_\_\_\_\_
- 17. A solvent is the substance in which the solute \_\_\_\_\_
- 18. What is the fourth state of matter?

19. Convection is the transfer of thermal energy by the motion of \_\_\_\_\_

20. Physical changes are changes in the \_\_\_\_\_ of a substance

**Down**

- 2. Suspension means the particles of one substance are \_\_\_\_\_ mixed in another substance
- 4. a liquid can flow \_\_\_\_\_
- 5. A colloid is a \_\_\_\_\_ mixture that has particles that are not yet dissolved or settled
- 6. Physical properties of matter are \_\_\_\_\_ of all matter that can be observed and measured without changing the chemical composition of the substance

7. In a solution, the substance \_\_\_\_\_ in another \_\_\_\_\_

9. The melting point of a liquid is when a solid turns into a \_\_\_\_\_ state

10. Thermal expansion states that added thermal energy causes most substances to \_\_\_\_\_ in size

13. When something dissolves, molecules are spread \_\_\_\_\_ throughout a substance

15. a solid has definite volume and \_\_\_\_\_

16. The kinetic theory of matter states that the particles that make up all matter are constantly \_\_\_\_\_