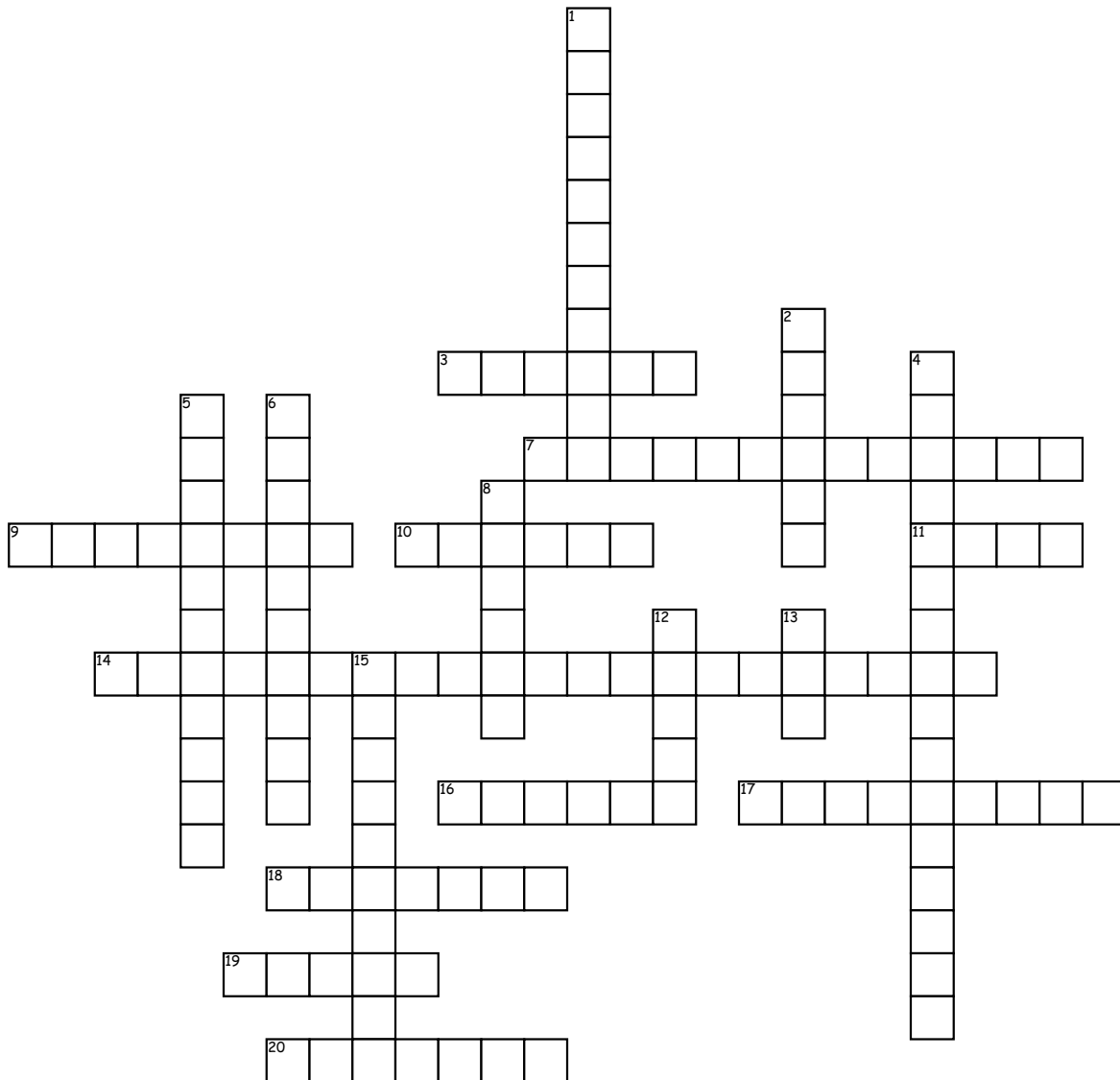


Matter



Across

- 3. The amount of space an object takes up
- 7. A mixture where the substances can be separated
- 9. To form a solution by mixing evenly
- 10. A hot mixture of ions and electrons
- 11. The amount of matter in an object
- 14. The theory that all particles that make up matter are constantly moving
- 16. Has a definite volume, but not shape

- 17. The transfer of thermal energy by electromagnetic waves
- 18. Can be drawn out into a wire without breaking
- 19. Any substance that can flow and take the shape of its container that holds it
- 20. The amount of mass per unit volume of a given substance

Down

- 1. A measure of the average kinetic energy in an object
- 2. A measure of the force, or pull, on objects due to gravity

- 4. The process of adding thermal energy to substances to increase its size
- 5. A mixture where the substances cannot be separated
- 6. the transfer of thermal energy by the motion of fluids
- 8. Anything that has mass and takes up space
- 12. Has a definite shape and volume
- 13. Has no definite shape or volume
- 15. The transfer of thermal energy through particles of matter that are in direct contact