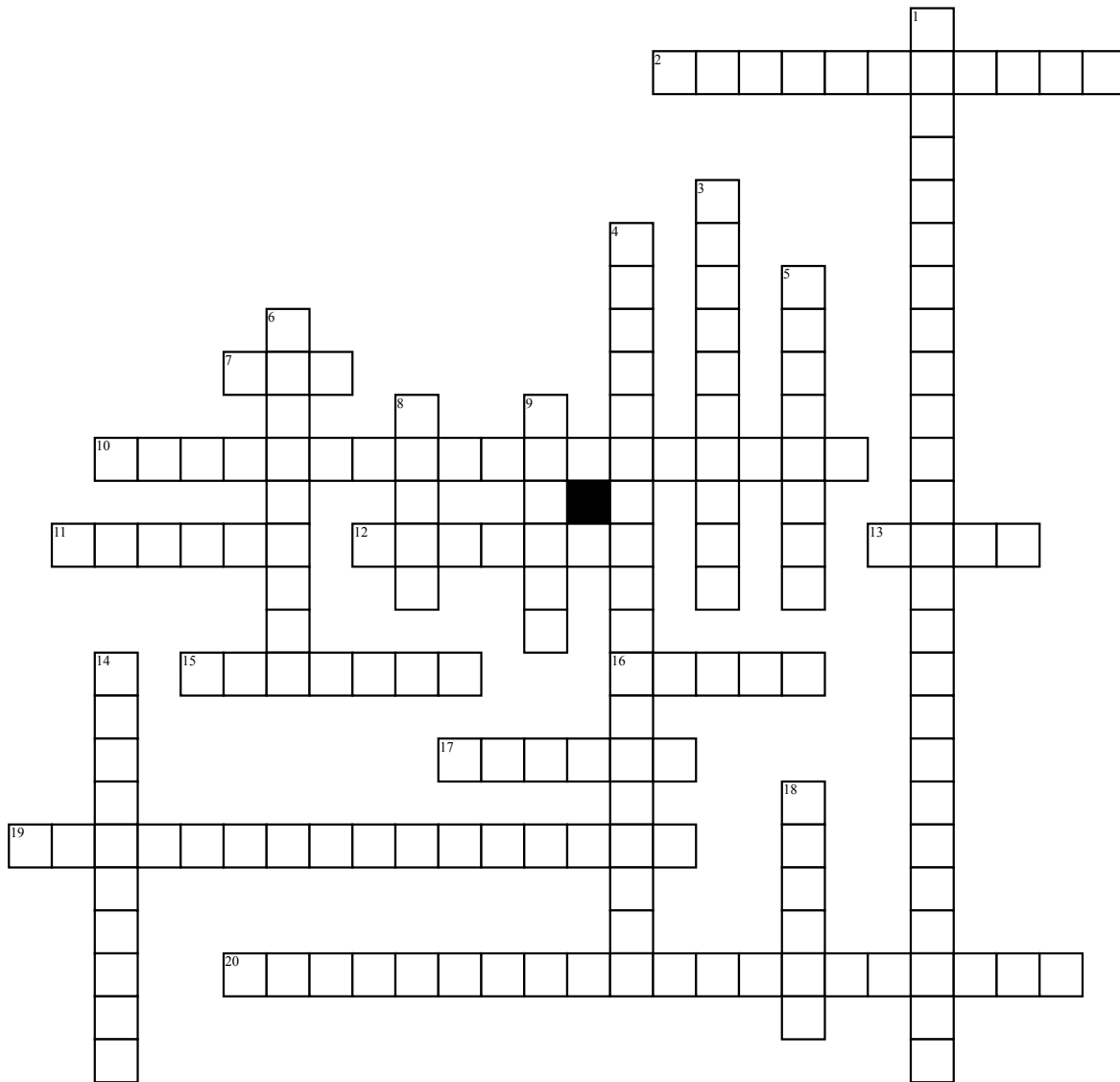


# Matter Crossword Puzzle



## Across

2. When a solid turns into a gas  
 7. Particles collide very often  
 10. Features of all matter that can be observed and measured without changing the chemical composition of the substance.  
 11. The amount of mass in something.  
 12. Matter that can vary in composition  
 13. The amount of matter in an object.  
 15. The amount of mass per unit of volume.

16. Particles are very close together.

17. Has definite volume but no definite shape.

19. The property of a substance that is observed during a chemical change.

20. A type of mixture in which the substances are not evenly mixed

## Down

1. Matter cannot be created or destroyed however matter can change forms, says this law.

3. The transfer of thermal energy through particles of matter that are in direct contact.

4. A type of mixture in which the substances are evenly mixed.

5. capable of being attracted by or acquiring the properties of a magnet

6. The transfer of thermal energy by electromagnetic waves.

8. Something that can flow freely and mix together easily.

9. The amount of space something takes up.

14. The transfer of thermal energy by the motion of fluids.

18. A mixture of hot ions and electrons