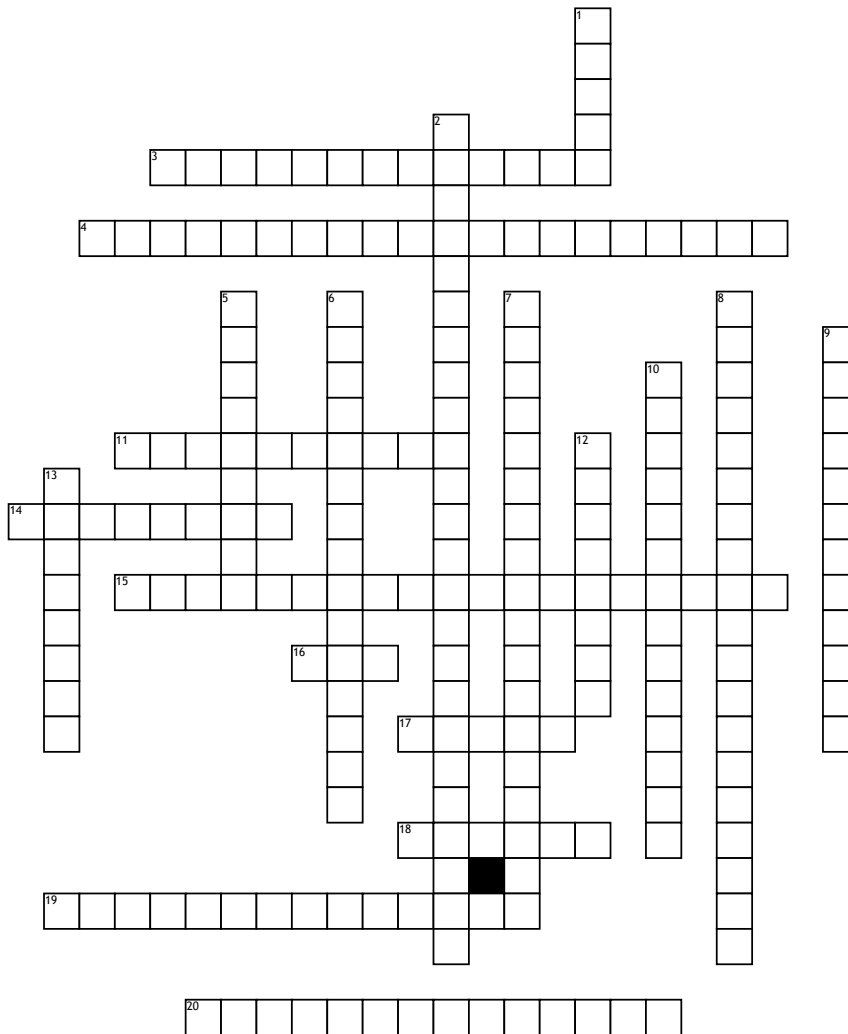


States of matter



Across

3. All matter naturally exists on earth most commonly as a solid, a liquid, or a gas

4. Doesn't have a uniform composition. Individual substance remain distinct

11. Used a porous barrier to separate a solid from a liquid

14. Chemical combination of 2 or more different elements

15. Remains the same no matter how much of a substance is present

16. Form of matter that flows to conform to the shape of its containers entire volume, and its easily compressed

17. Own definite shape and volume is in compressible, and expands only slightly when heated

18. Form of matter that flows, has constant volume, takes the shape of its container

19. Involving one or more substances changing into new substance also called chemical reaction

20. Alters the physical properties of a substance but does not change its composition

Down

1. Gaseous state of a substance that is a liquid or a solid at room temperature

2. States that regardless of the amount a compound of the same elements in the same portion by mass

5. Has a uniform and unchanging composition

6. Separation technique that produces pure solid particles of a substance from a solution that contains the dissolved substance

7. Another word for solution

8. Physical properties such as mass, length, and volume

9. Physically separate most homogeneous mixture based on the differences in the boiling points of the substances involved

10. Used to separate the components of a mixture based on the tendency of each component to travel or be drawn across the surface of another material

12. Substance that can not be broken down in simpler substances by physical or chemical means

13. Uniform mixture that may contain solids, liquids, or gas

Word Bank

Law of definite proportions

Filtration

Compound

Heterogeneous mixture

Homogeneous mixture

Vapor

Crystallization

Physical change

Intensive properties

Chemical change

Distillation

Substance

Chromatography

State of matter

Solution

Solid

Gas

Elements

Extensive properties

Liquid