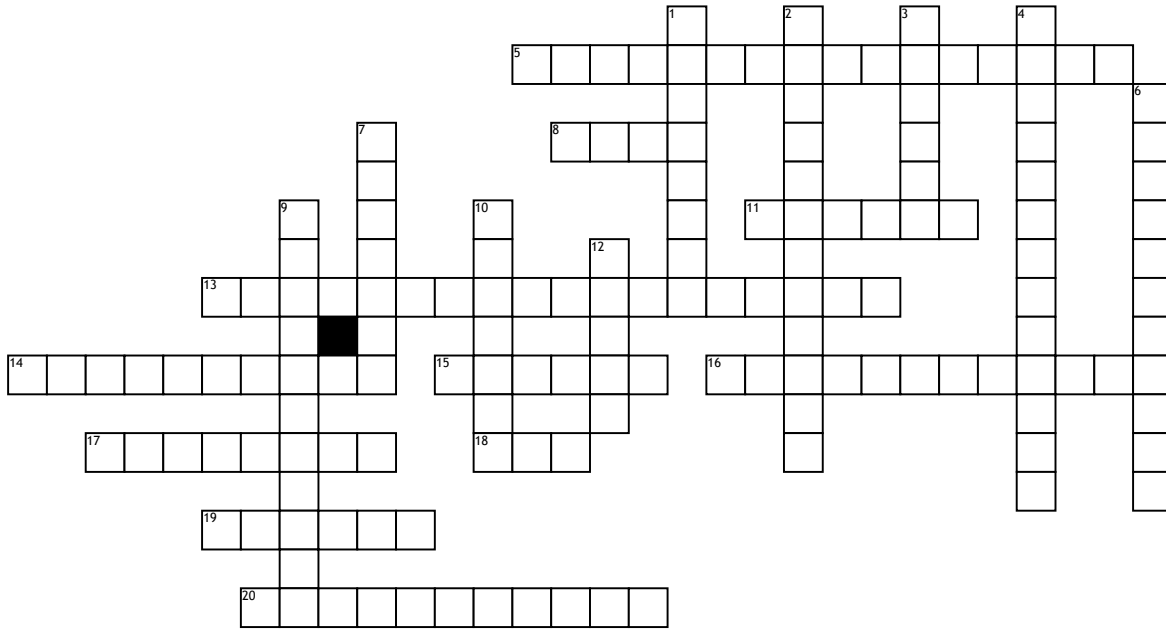


Properties of Matter



Across

5. A property that you can observe with your senses: mass, volume, etc

8. The amount of matter in an object.

11. Anything that has mass and takes up space; everything is made of matter.

13. s a property of matter that describes a substance's ability to participate in chemical reactions

14. A substance's ability to react with other substances

15. A state of matter that has a definite volume but takes the shape of the container it is in. Particles slide past each other.

16. The temperature at which a liquid becomes a gas

17. When a liquid changes into a solid.

18. A state of matter that does not have a definite shape or a definite volume. The particles are far apart from each other, collide with each other, and move to fill any space.

19. A state of matter that is a highly charged gas.

20. a measure of how hot (or cold) something is; specifically, a measure of the average kinetic energy of the particles in an object

Down

1. When a solute (solid) becomes part of a solvent (liquid)

2. A substance's ability to catch on fire

3. The amount of space and object takes up.

4. The temperature at which a liquid becomes a solid

6. When a liquid changes into a gas.

7. The ratio of mass to volume; how much matter is in a given volume

9. A solid that forms when a chemical reaction takes place.

10. When a substance changes from a solid to a liquid

12. A state of matter in which the particles are close together, have a definite shape, a definite volume, and vibrate in place.