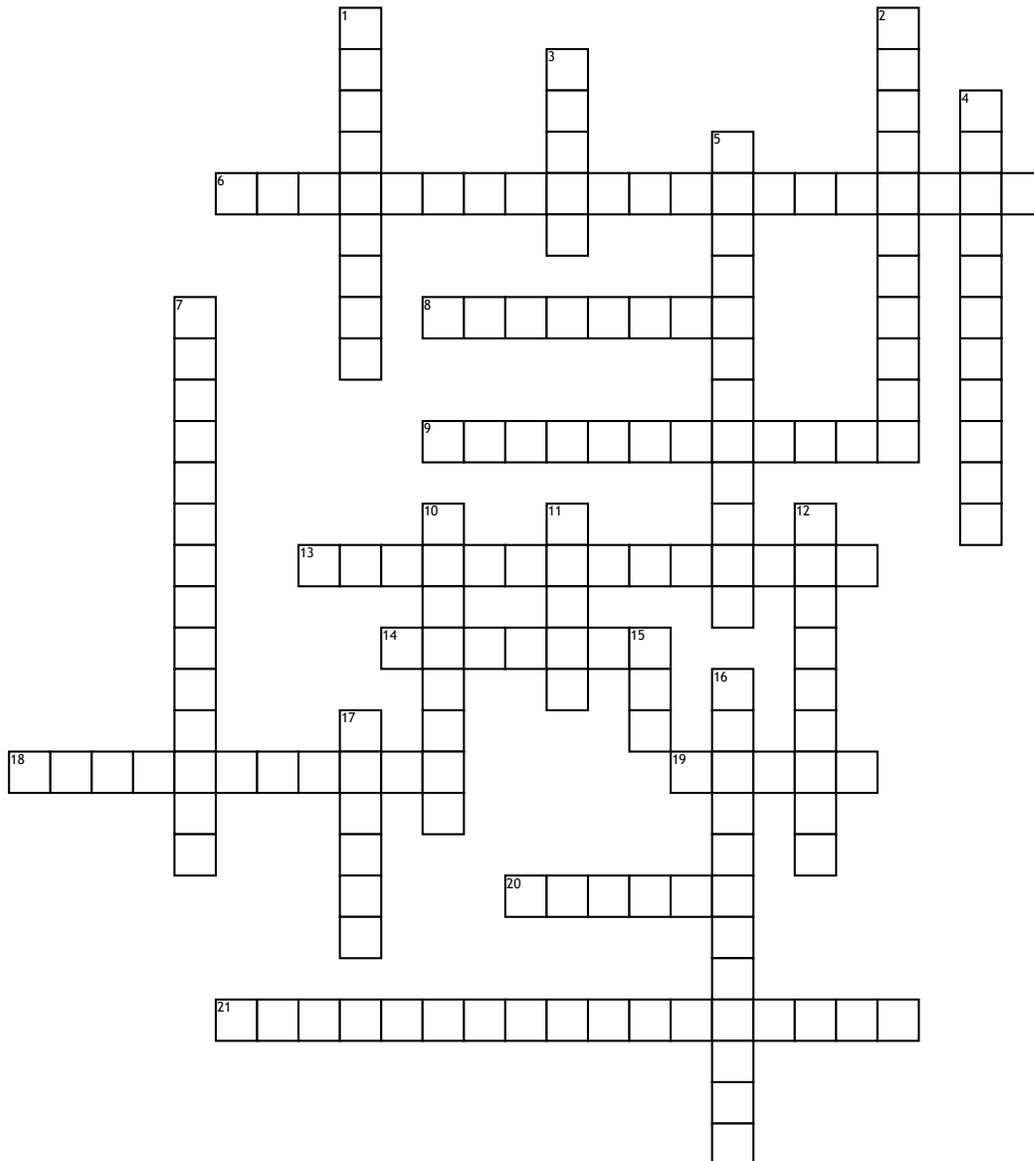


Chapter 3 Solids, Liquids, and Gases



Across

6. When a graph of two variables is a straight line passing through the origin, variables are
8. The force of its outward push divided by the area of the walls of the container
9. The change from a liquid to a gas
13. The particles are not arranged in a regular pattern
14. The change in state from a solid to a liquid
18. Occurs when the surface particles of a solid gain enough energy that they form a gas

19. a substance that flows

20. Such a line would pass through the point (0,0).

21. Solids that are made up of crystals

Down

1. The relationship between the pressure and the volume of a gas
2. Vaporization that takes place on the surface of a liquid
3. A digram that tells how two variables, or factors change, are related.
4. When the temperature of of a gas is increased at constant pressure, its volume increases.

5. The opposite of vaporization
7. The result of an inward pull among the molecules of a liquid that brings the molecules on the surface closer
10. The change of state from liquid to a solid
11. Has definite shape and volume
12. A liquid's resistance to flow
15. can change volume very easily
16. The melting occurs at a specific temperature
17. has a definite volume but no shape of its own