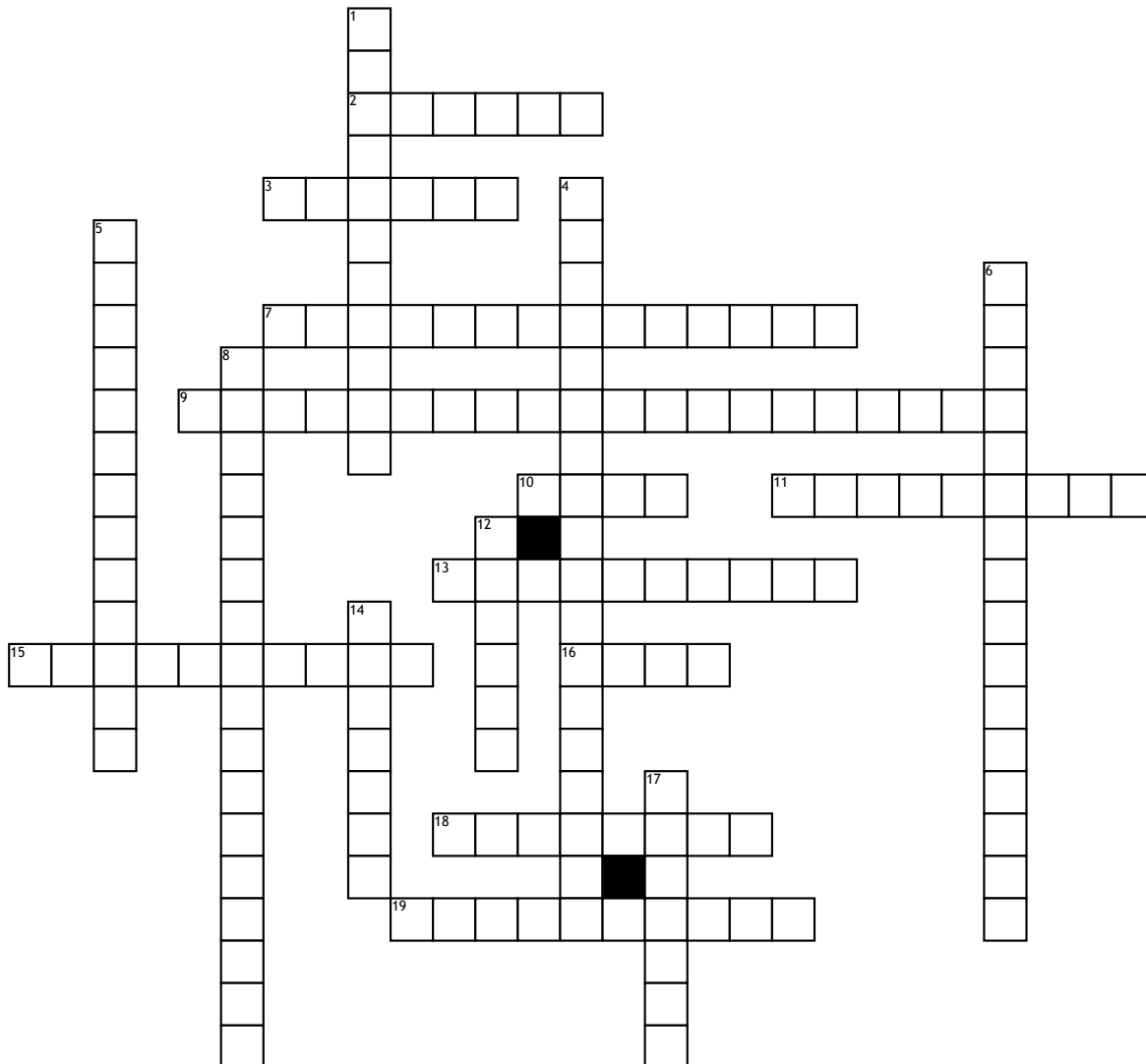


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Particle Theory of Matter



## Across

2. Anything that takes up space and has mass  
 3. The ability to do work  
 7. How fast a solute will dissolve in a solvent.  
 9. A mixture where particles of each component substance are not evenly dispersed.  
 10. The energy that flows from a warmer substance to a cooler substance.  
 11. The transfer of heat through special waves  
 13. The amount of solute that will dissolve in a solvent.

15. The transfer of heat energy through solids.

16. The amount of particles in a substance

18. A homogeneous mixture composed of two or more substances.

19. The transfer of heat energy in liquids and gases

## Down

1. A measure of the energy contained within a substance.

4. A mixture where particles of each component substance are evenly dispersed.

5. Matter consisting of only one type of particle

6. Is an explanation for why things work or how things happen and are based on observations of the world around us that are then tested.

8. A mixture where individual particles can be identified

12. A substance that is dissolved in solvent.

14. The substance that the solute is dissolved in.

17. Matter consisting of more than one type of particle