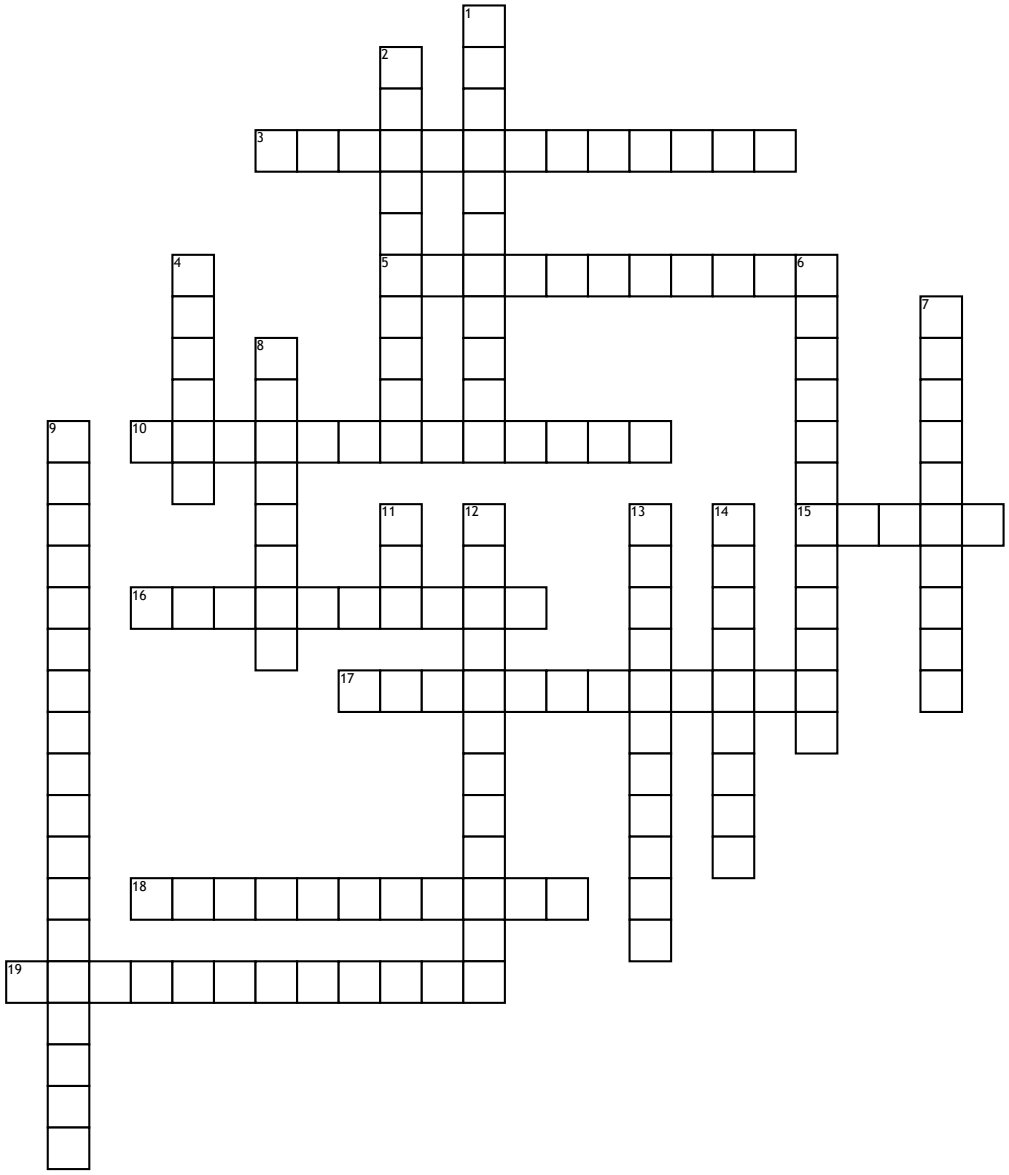
Name: _____ Date: _____

Matter Project



Across

3. The pressure caused by the collision of particles in a vapor with the walls of a container
5. The system absorb energy from it's surroundings
10. The energy an object has due to its motion
15. State of matter in which materials have a definite shape and volume
16. The direct proportion of the volume of gasto it's tempature if the pressure and the number of particles of the gas are constant
17. A tempature of 0 kelvin
18. The phase change in which a substance changes from a solid to a gas without changing to a liquid
19. Phase change in which a substance changes from a liquid to a gas

Down

1. The process that changes a substance from a liquid to a gas at tempatures below the substance's boiling point
2. The system releases energy to its surroudings
4. State of matter in which material has a definite volume but not shape
6. The phase change in which a substance changes from a gas to a liquid
7. When a gas changes directly into a solid without changing to a liquid
8. The result of a force distributed over an area
9. The energy a substance must absorb in order to change from liquid to gas
11. State of matter in which a material has neither a definite shape or volume
12. The energy a substance must absorb in order to change from a solid to a liquid
13. The reversible physical change that occurs when a substance changes from one state of matter to another
14. The inverse variation of the volume of a gas with it's pressure if the tempature and the number of particles are constant