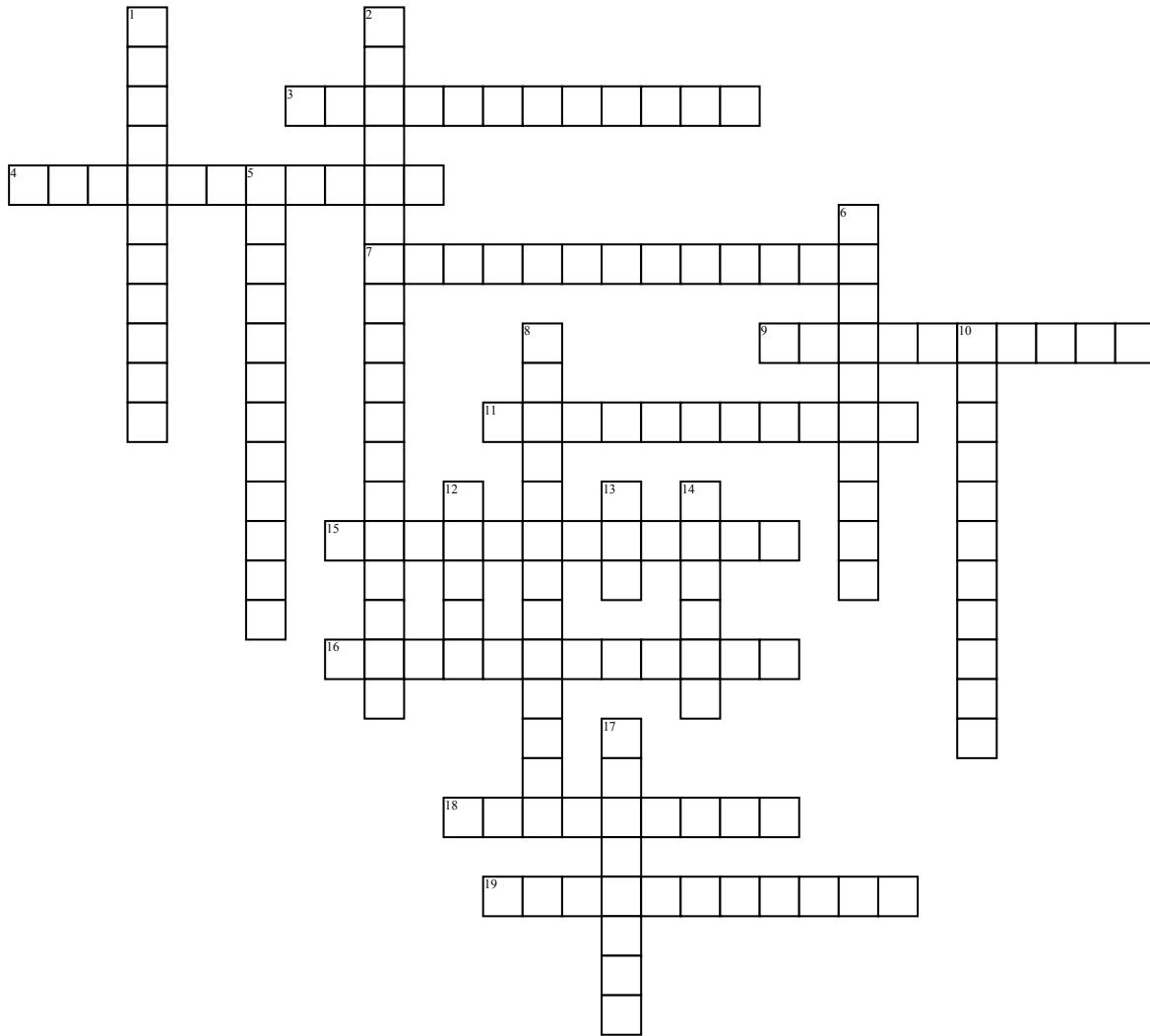


# Matter Menu Appetizer



## Across

3. amount of energy for water (another term for melting)
4. the phase change in which a substance changes from a solid to a gas or vapor without changing to a liquid first
7. pressure caused by the collisions of this vapor and the walls of the container
9. during an \_\_\_\_\_ change the system releases energy to its surroundings
11. during an \_\_\_\_\_ change the system absorbs energy from its surroundings

15. phase change in which a substance changes from liquid into a gas
16. phase change in which a substance changes from a gas to a liquid
18. the volume of a gas is inversely proportional to its pressure
19. reversible physical change that occurs when a substance changes from one state of matter to another

## Down

1. the volume of a gas is directly proportional to its temperature
2. amount of energy for water (varies from substance to substance)
5. a temperature of 0 k
6. when a gas or vapor changes directly into a solid without first changing to a liquid
8. energy an object has due to motion
10. process that changes a substance from a liquid to a gas at temperatures below its boiling point
12. state of matter in which materials have definite shape and volume
13. state of matter in which a material doesn't have a definite shape or volume
14. state of matter in which a material has a definite volume but not a definite shape
17. result of a force distributed over an area