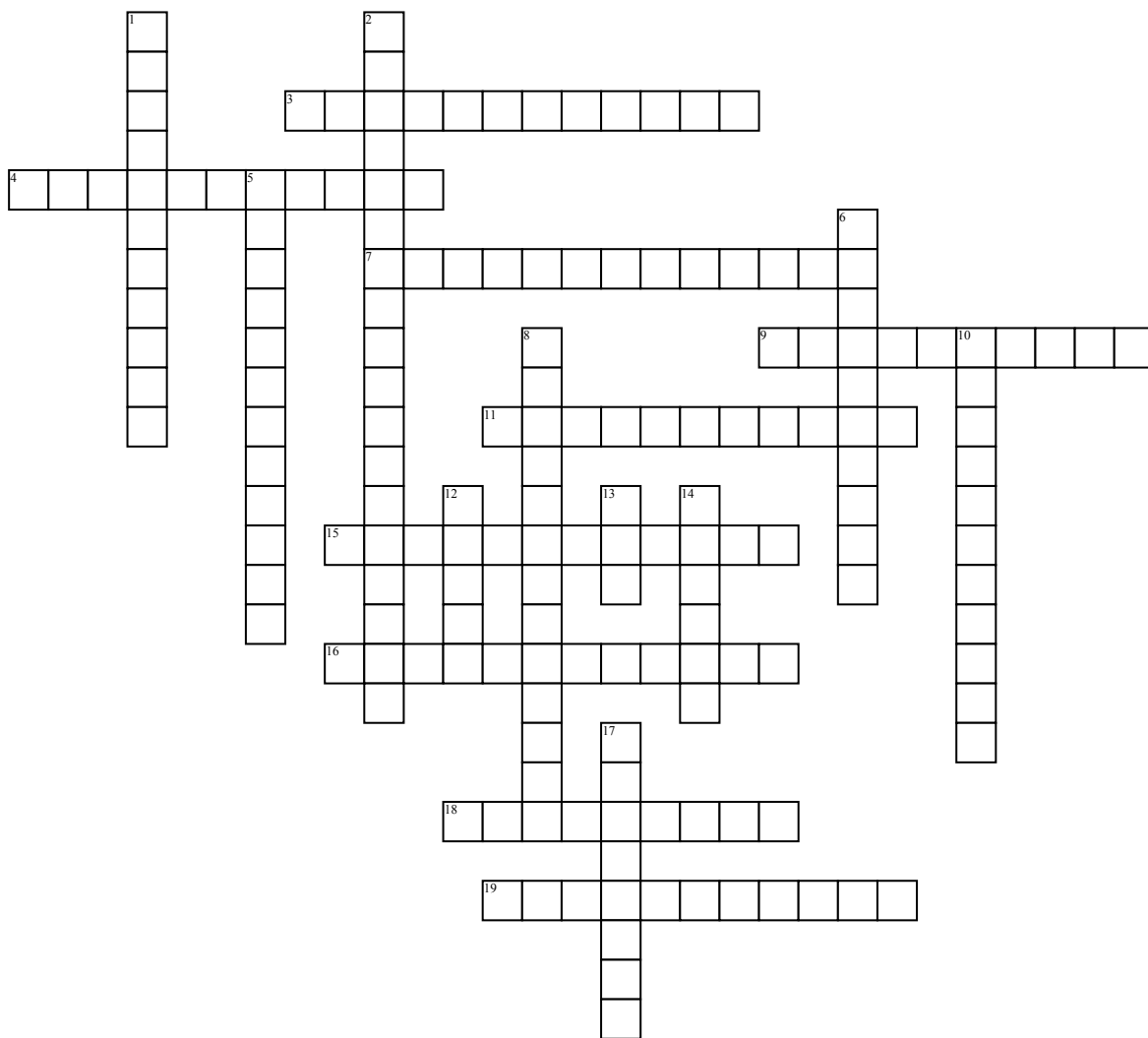


Matter Menu Appetizer



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