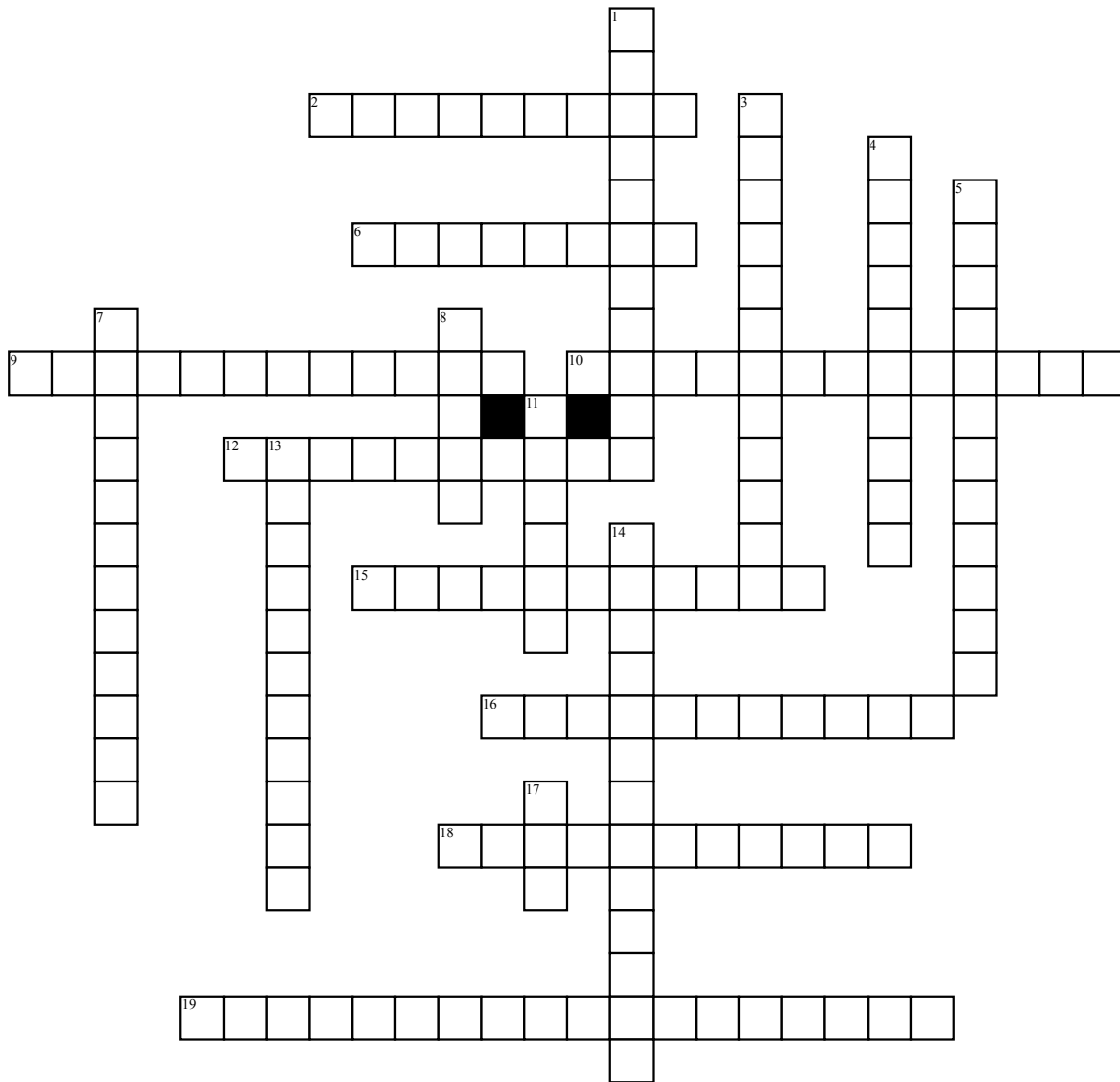


Matter Menu Project Crossword



Across

2. the inverse variation of the volume of a gas with its pressure if the temperature and the number of particles are constant
6. The result of a force distributed over an area
9. The energy a substance must absorb in order to change from a solid to a liquid.
10. The energy an object has due to its motion.
12. The phase change in which a gas or vapor changes directly into a solid without changing into a liquid.
15. The phase change in which a substance changes from a solid to a gas or vapor without changing to a liquid first.

16. The direct proportion of the volume of a gas to its temperature (in kelvins) if the pressure and the number of particles of the gas are constant
18. A reversible physical change that occurs when a substance changes from one state of matter to another.
19. The energy a substance must absorb in order to change from a liquid to a gas

Down

1. The process that changes a substance from a liquid to a gas at temperatures below the substance's boiling point.
3. a temperature of 0 kelvins
4. A description of a change in which a system releases energy to its surrounding
5. The phase change in which a substance changes from a gas or vapor to a liquid

7. The phase change in which a substance changes from a liquid into a gas
8. The state of matter in which materials have a definite shape and definite volume
11. The state of matter in which a material has a definite volume but not a definite shape
13. A description of a change in which a system absorbs energy from its surroundings
14. The pressure caused by the collisions of particles in a vapor with the walls of a container.
17. The state of matter in which a material has neither a definite shape nor a definite volume