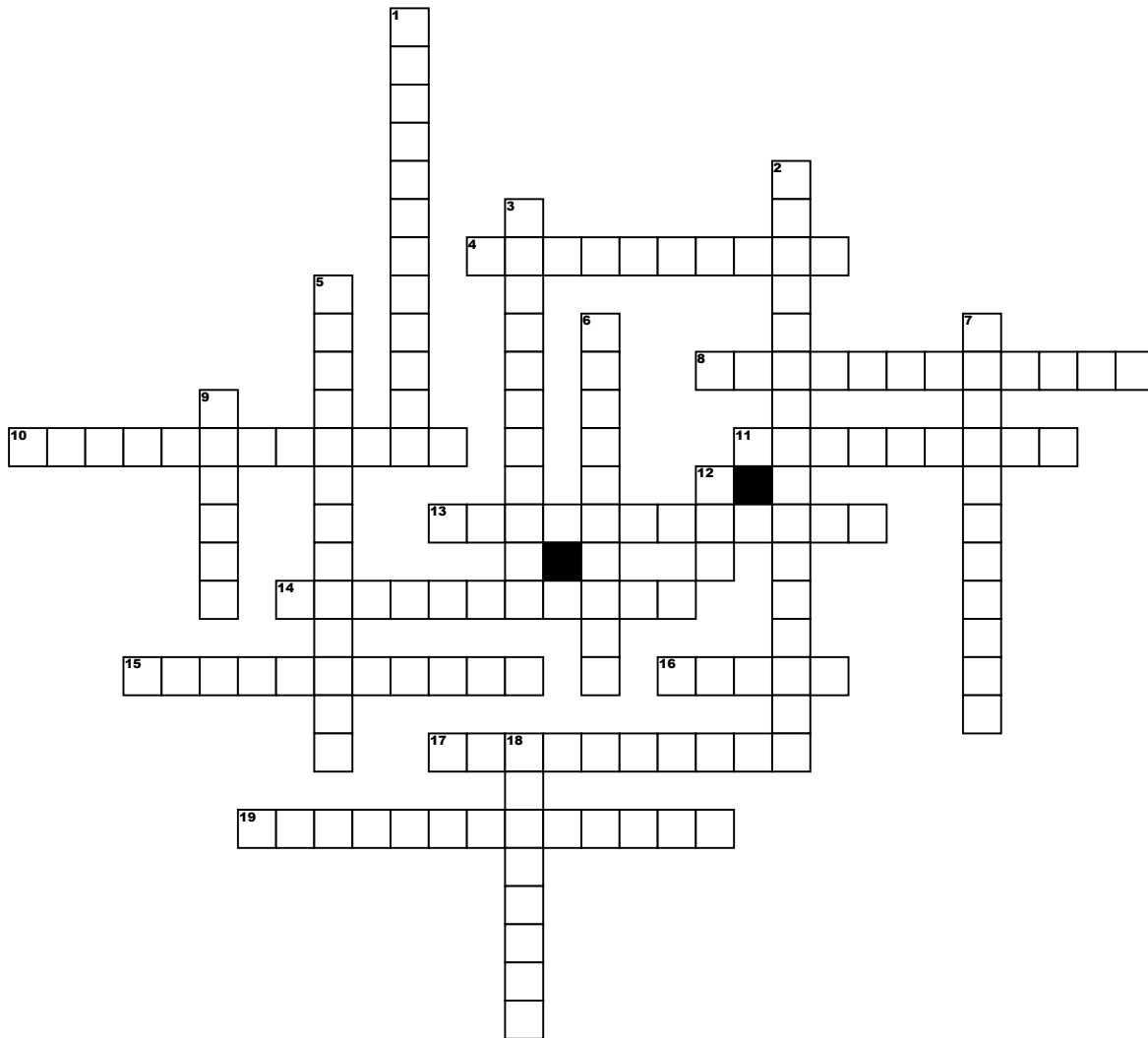


Matter Project Crossword



Across

4. States that the volume of a gas is directly proportional to its temperature in kelvins if the pressure and the number of particles of the gas are constant

8. The energy of a substance must absorb in order to change from a solid to a liquid

10. The phase change in which a substance changes from a liquid into a gas

11. States that the volume of gas is inversely proportional to its pressure if the temperature and the number of particles are constant

13. The phase change in which a substance changes from a gas or vapor to a liquid

14. The system absorbs energy from its surroundings

15. The process that changes a substance from a liquid to a gas at temperatures below the substances boiling point

16. The state of matter in which a material have a definite shape and a definite volume

17. When a gas or vapor changes directly into a solid without first changing to a liquid

19. The pressure caused by the collisions of the vapor and the walls of the container

Down

1. A temperature of 0 kelvins

2. The energy a substance must absorb in order to change from a liquid to a gas

3. Is the reversible physical change that occurs when a substance changes from one constant of matter to another

5. The energy an object has due to its motion

6. System that releases energy to its surroundings

7. The phase change in which a substance changes from a solid to a gas or vapor

9. Is the state or matter in which a material has a definite volume but not a definite shape

12. The state of matter in which a material has neither a definite shape nor definite volume

18. Is the result of a force distributed over an area