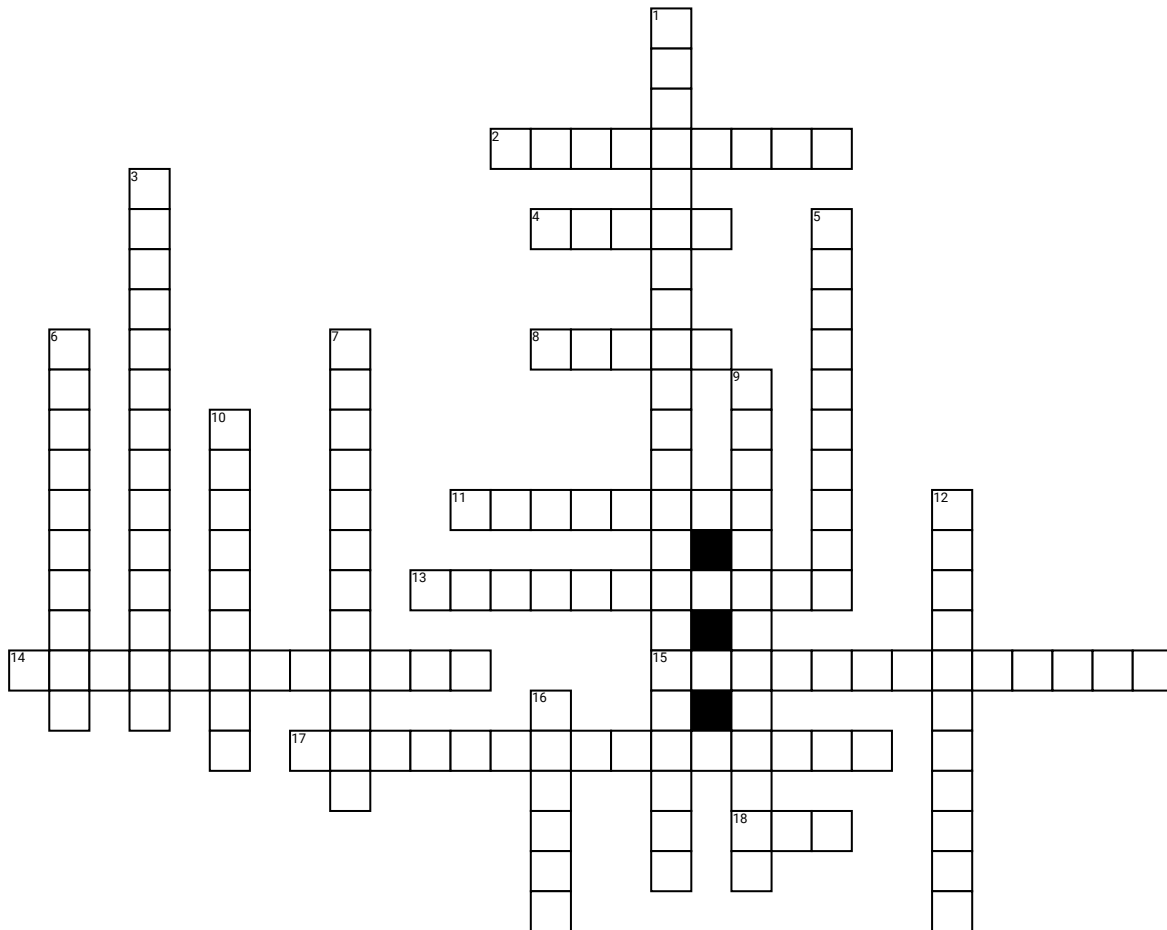


Changes of State



Across

- 2. states that pressure of a gas increases if the volume decreases and pressure of a gas decreases if the volume increases, when temperature is constant
- 4. A form of matter that has a definite shape and volume
- 8. the gas state of a substance that is normally a solid or a liquid at room temperature
- 11. the amount of force applied per unit of area
- 13. vaporization that takes place only on the surface of a liquid

- 14. thermal energy The total potential and kinetic energy of the particles in an object. Vaporization The change of state from a liquid to a gas
- 15. The total potential and kinetic energy of the particles in an object.
- 17. stored energy due to the interactions between objects or particles
- 18. A state of matter with no definite shape or volume

Down

- 1. an explanation of how particles in matter behave
- 3. the uneven forces acting on the particles on the surface of a liquid

- 5. change of state of a gas to a solid without going through the liquid state
- 6. states that the volume of a gas increases with increasing temperature, if the pressure is constant
- 7. The change of state from a gas to a liquid
- 9. the energy an object has due to its motion
- 10. A liquid's resistance to flowing
- 12. A measure of the average kinetic energy of all the particles in an object
- 16. A state of matter that has a definite volume but no definite shape.