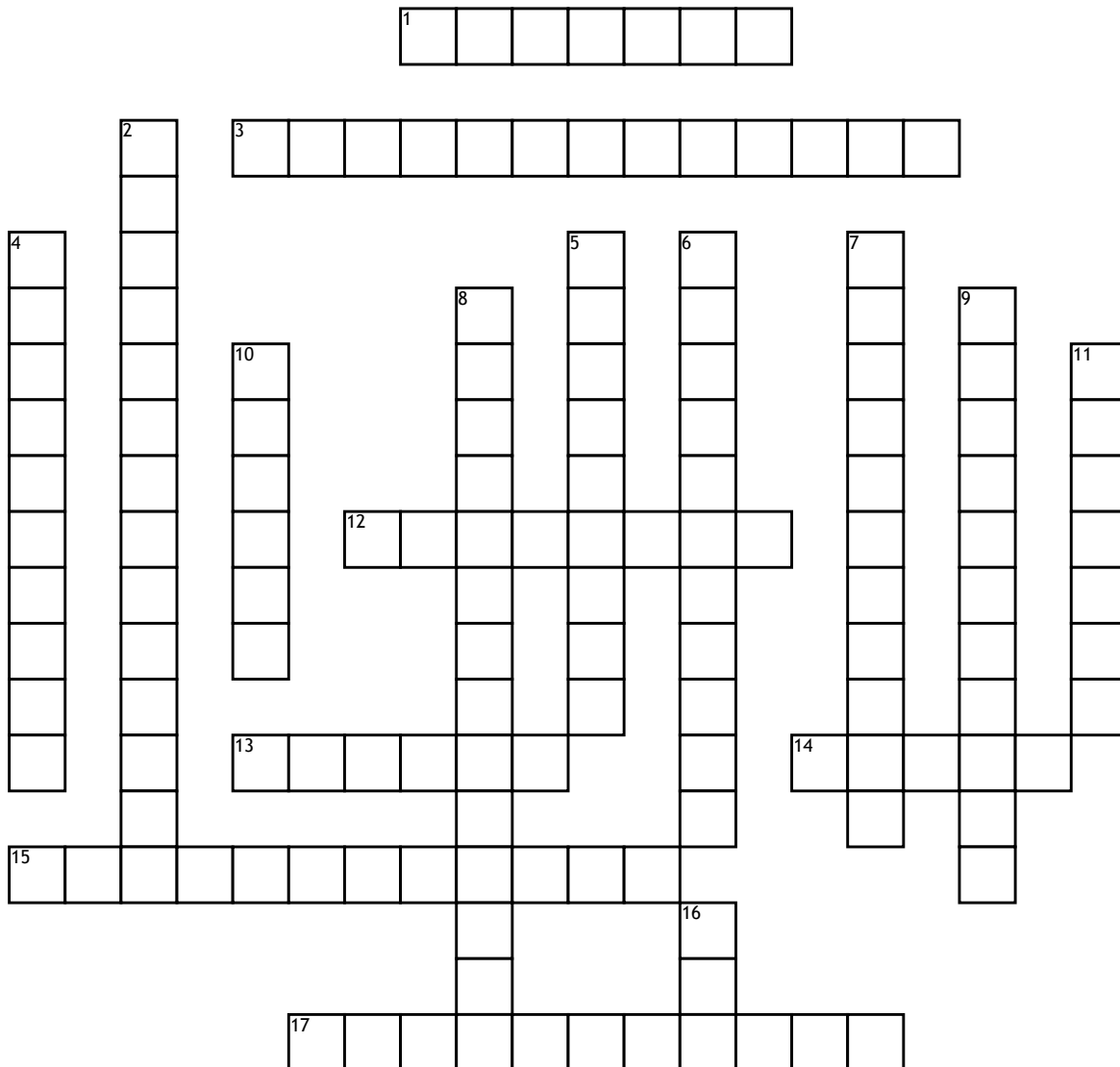


# States of Matter



## Across

1. The change of a liquid to a vapor, or gas throughout the liquid  
 3. Change of a substance from one physical form to another  
 12. Amount of force exerted on a given area of surface  
 13. The amount of space an object takes up  
 14. State of matter with a definite shape and volume  
 15. Change of state from a gas to a liquid

17. States that as the as the temperature of a gas increases, its volume increases by the same amount

## Down

2. Force that acts on the particles at the surface of a liquid  
 4. States that as the pressure of a gas increases, its volume decreases by the same amount  
 5. A liquids resistance to flow  
 6. Measure of how fast the particles in an object are moving

7. Change of state in which a solid changes directly into gas

8. Physical forms in which a substance can exist  
 9. Change of a substance from liquid to gas  
 10. State of matter that has a definite volume, but it takes the shape of its container  
 11. Change of state from a solid to a liquid  
 16. State of matter that has no definite shape or volume