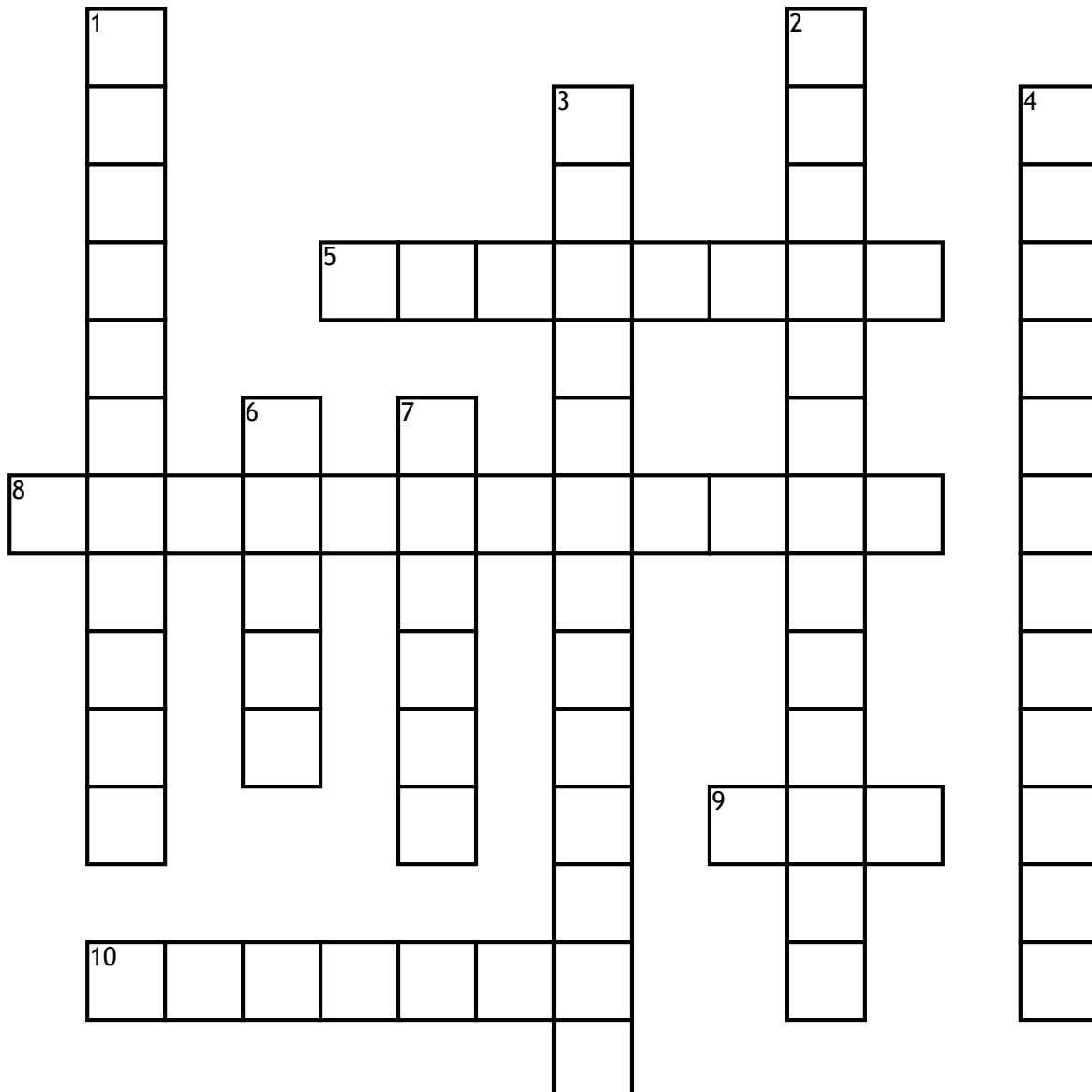


# Thermal Energy Crossword Puzzle



## Across

5. Any liquid becoming a solid  
 8. When any liquid becomes a gas  
 9. the state of matter that can change both shape and volume.  
 10. Any solid becoming a liquid

## Down

1. When the surface particles of a solid gain enough energy to become a gas.

2. the process when matter changes form one state to another  
 3. the total kinetic energy of all the particles in a substance.  
 4. when a gas loses enough thermal energy to become liquid, therefore losing kinetic energy  
 6. the state of matter in which the volume and shape of a substance are fixed  
 7. the state of matter that can change shape, but has a fixed volume