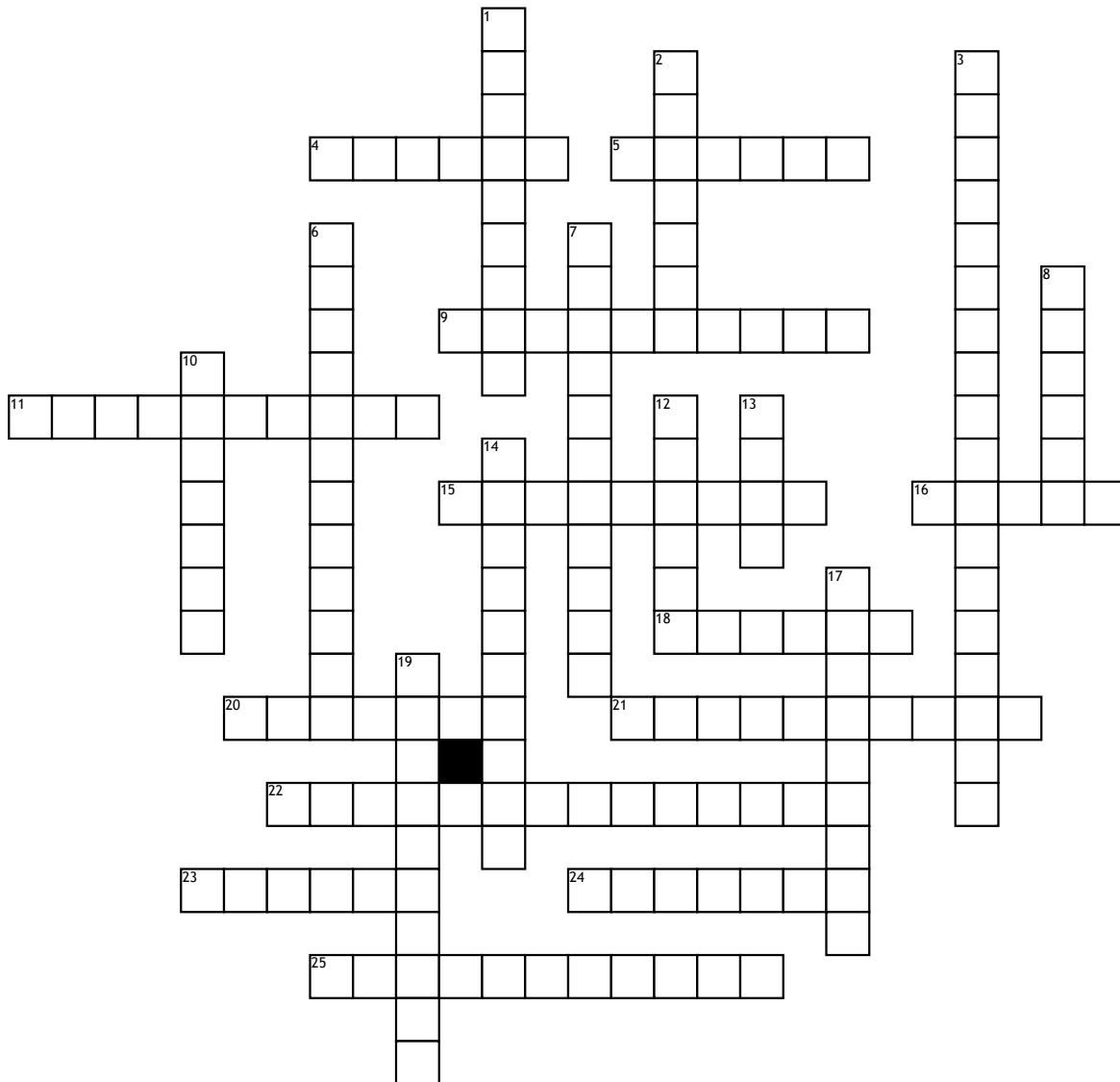


Thermod



Across

4. This measurement scale is based on absolute zero
 5. Ability to do work or produce heat
 9. Heat transferred method between objects in contact as a result of temperature difference
 11. Converts thermal energy into mechanical energy
 15. This type of energy is based on the attractive and repelling force all molecules exert on each other
 16. This law of thermodynamics is the law of conservation of energy
 18. This law of thermodynamics states heat normally flows from high temp to low temp
 20. Opposite charges _____ and like charges repel

21. Type of energy that flows out of a system
 22. The study of heat energy
 23. Matter is made of molecules that are in constant _____
 24. Kinetic energy + potential energy = what type of energy?
 25. This tool contains a small amount of liquid, such as mercury or colored alcohol, in a narrow tube

Down

1. Transfer of heat energy through space by means of electromagnetic waves
 2. As temperatures increase, molecules gain this type of energy
 3. When there is no temperature difference there is no heat or _____

6. Quantity of energy needed to raise the temperature of 1 kg of a substance by 1°C at constant pressure
 7. Type of energy that flows into a system
 8. The unit used for thermal energy
 10. Water boils at 100 degrees on this scale
 12. These are examples of good conductors
 13. The transfer of thermal energy from a higher temp location to a lower temp location
 14. Type of heat transfer by molecular movement
 17. Electrical potential energy is _____ proportional to the distance between molecules
 19. This measurement scale is primarily used in the United States