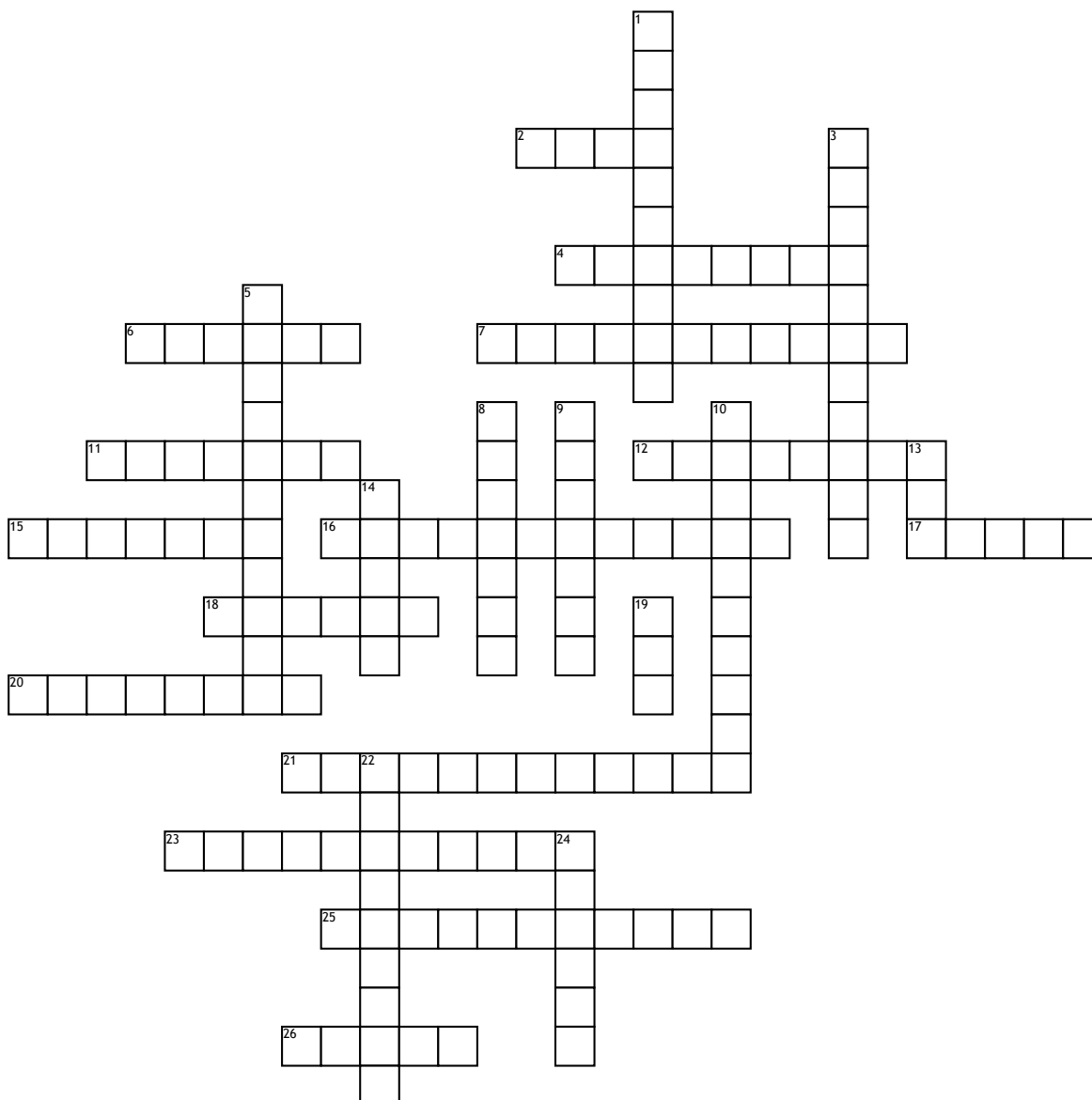


Unit 1: Fundamentals



Across

2. Identifies a specific quantity EX: grams, liters, seconds, hours, etc.
 4. The smallest unit of matter
 6. Has a variable shape and a definite volume
 7. An observation that employs the use of numbers.
 11. When heat is added to a solid _____ occurs
 12. Kinetic energy of a liquid is decreased.
 15. Identifies the relationship that exists between variables. EX: $D = m/v$
 16. The result of kinetic energy being lowered in a gas
 17. Has a definite volume and a definite shape

18. Particles are moderately spaced. MEDIUM potential energy, MEDIUM kinetic energy.
 20. A fixed quantity that does not change
 21. Occurs when heat is added to a liquid
 23. An observation that employs the use of a physical description.
 25. A reaction that is characterized by the absorption of heat
 26. A state of matter (solid, liquid, or gas)

Down

1. A reaction that is characterized by the release of heat (feels cold)
 3. Requires you to see, smell, touch, hear, and feel

5. The transition between a solid and a gas
 8. Energy of movement
 9. Describes the amount of mass in a given volume
 10. Occurs when energy is removed from a gas to form a solid
 13. Has an variable shape and a variable volume
 14. Particles are spaced close together and vibrate slowly. HIGH potential energy, LOW kinetic energy.
 19. Particles are spaced far apart and move quickly. HIGH kinetic energy, LOW potential energy.
 22. stored energy
 24. The ability to do work