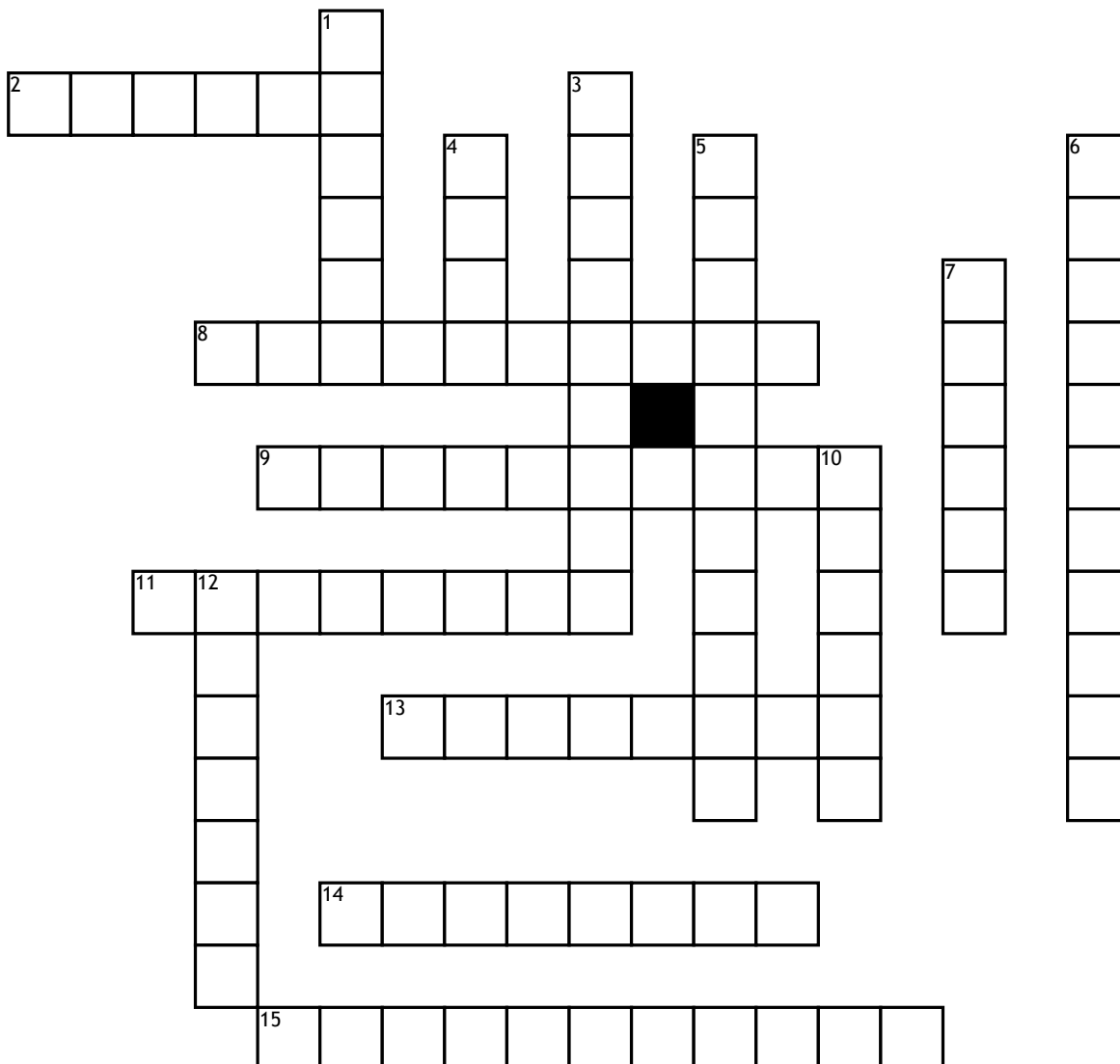


THERMODYNAMICS CHAPTER 1



Across

- 2. Control ____ means mass can cross boundary.
- 8. Some of the known temperature scales are the Celsius scale, ____ scale, Kelvin scale and Rankine scale.
- 9. Thermodynamics ____ is the characteristics that help describe the state of a system.
- 11. ____: per unit mass.
- 13. SI unit for ____ is newton per meter cube.
- 14. ____ energy associated with atomic and molecular energy.

- 15. The difference between extensive and intensive properties is intensive properties is ____ of amount of mass.

Down

- 1. The ____ law of thermodynamics states that if two thermodynamic systems each are in thermal equilibrium with a third, then they are in thermal equilibrium with each other.
- 3. Type of process that has constant volume.
- 4. ____ pressure is equal to absolute pressure minus atmospheric pressure.
- 5. A condition of balance characterized by the absence of driving potential.
- 6. Examples of ____ thermodynamics are atoms, molecules and molecular interactions.
- 7. Example of extensive properties.
- 10. A quantity of matter.
- 12. The transition from one state to another is called ...