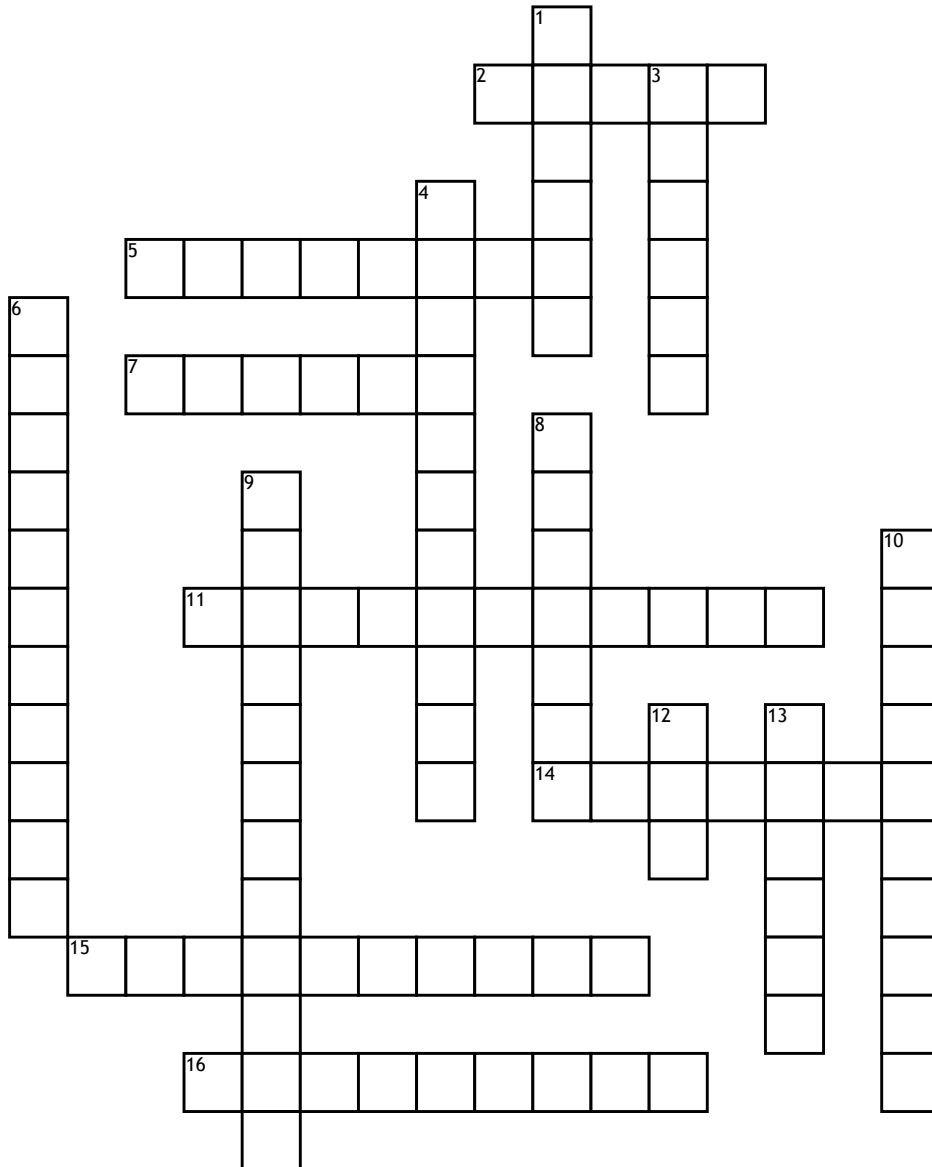


Chapter 3



Across

- 2. Definite shape and definite volume
- 5. Is a result of force distributed over an area
- 7. The SI unit for pressure
- 11. describes a process or reaction in which the system absorbs energy from its surroundings
- 14. an experimental gas law that describes how gases tend to expand when heated
- 15. Is a chemical reaction that releases energy by light or heat

- 16. Causes pressure between particles of gas in a close container

Down

- 1. law stating that the pressure and volume of a gas have an inverse relationship when temperature is held constant
- 3. Indefinite shape and definite volume
- 4. Phase change in which a substance changes from a solid to a gas or vapor
- 6. Vaporization of a liquid that occurs from the surface of a liquid into a gaseous phase

- 8. energy that a body possesses by virtue of being in motion
- 9. Phase change in which a substance changes from gas or vapor to a liquid
- 10. when gas or vapor changes directly into a solid first without first changing into a liquid
- 12. indefinite shape and indefinite volume
- 13. equal number of positively charged ions and negatively charged electrons