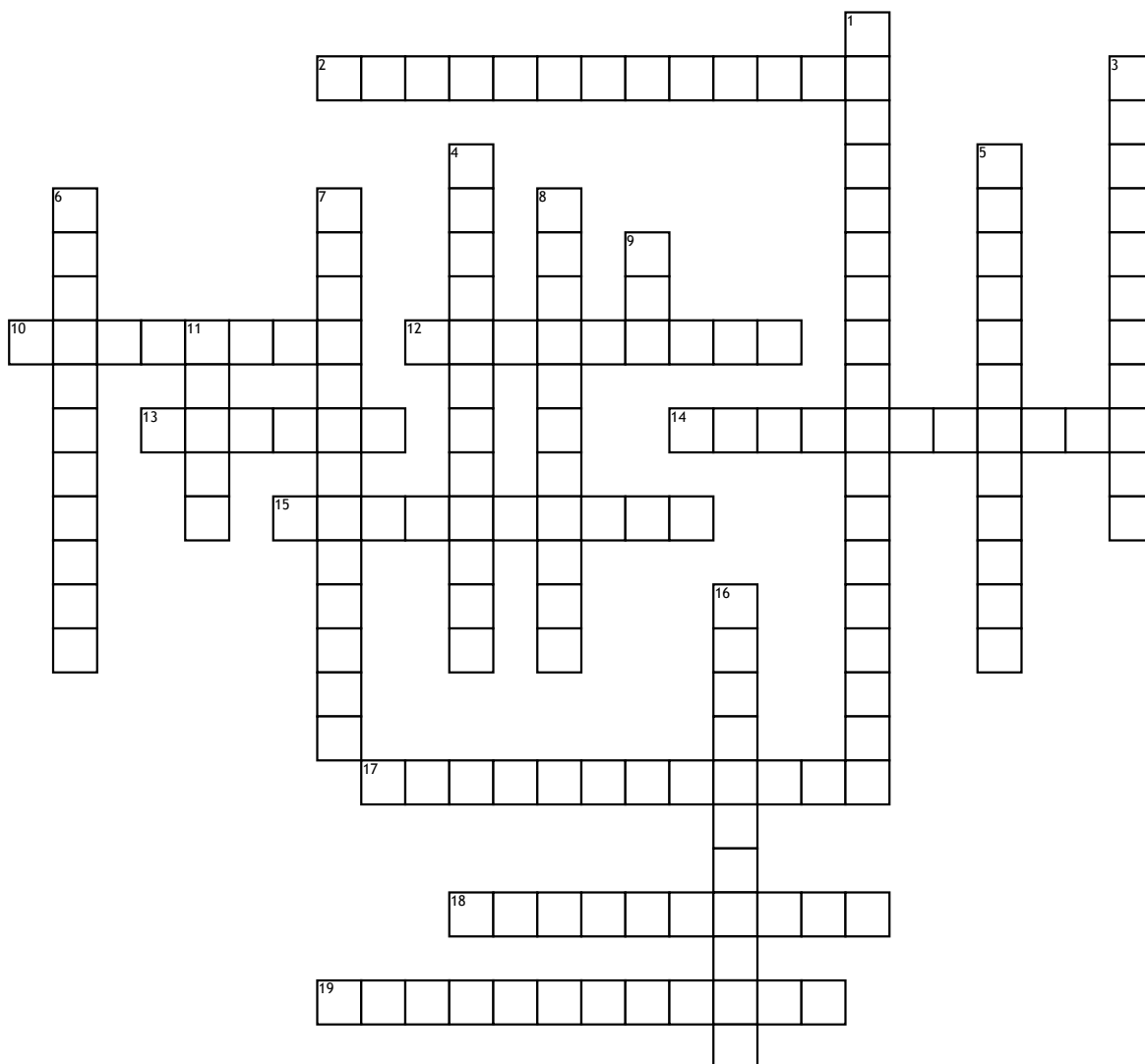


Chapter 3 Vocab



Across

2. pressure caused by the collisions of this vapor and the walls of the container
 10. result of a force distributed over an area
 12. law: volume of gas is inversely proportional to its pressure
 13. state of matter which materials have a definite volume but shape
 14. process that changes a substance from a liquid to a gas
 15. exothermic phase change is the reverse of sublimation
 17. phase change in which a substance changes from a liquid to a gas

18. the system releases energy to its surroundings

19. phase change in which a substance changes from a gas to a liquid

Down

1. amount of energy for the water and varies from substance to substance
 3. reversible physical change that occurs when a substance changes from one state of matter to another
 4. amount of energy for melting and also varies from substance to substance
 5. the temperature of 0 K is also called

6. law: volume of gas is directly proportional to its temperature

7. energy of an object due to its motion

8. phase change in which the substance changes from a solid to a gas

9. state of matter in which material has neither definite shape or volume

11. state of matter in which materials have both definite shape and volume

16. the system absorbs energy from its surroundings