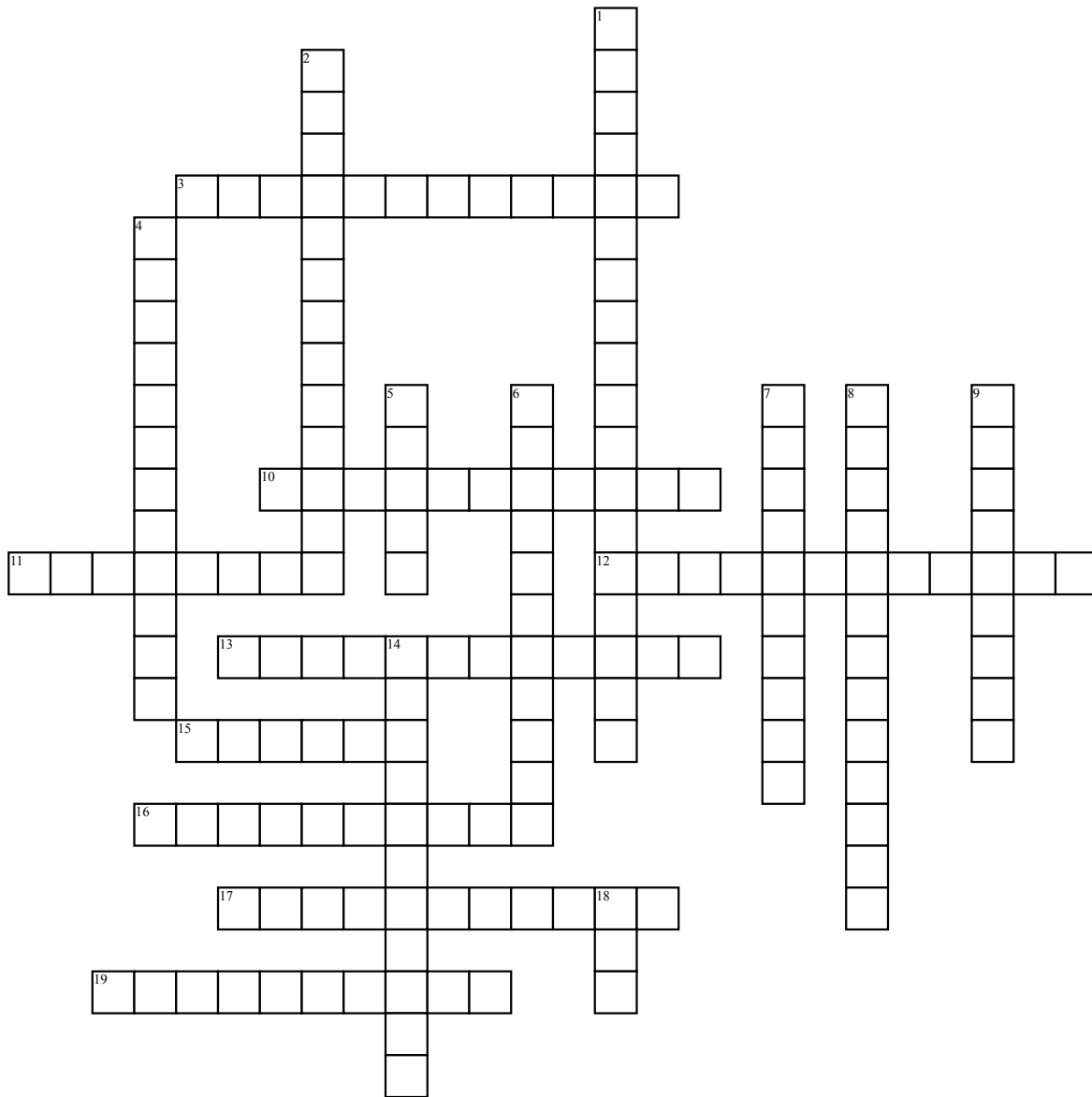


Chapter 3 Vocabulary



Across

3. phase change in which a substance changes from a liquid into a gas
 10. phase change in which a substance changes from a solid to a gas or vapor without changing to a liquid first
 11. the result of a force distributed over an area
 12. a temperature of 0 K
 13. phase change in which a substance changes from a gas or vapor to a liquid
 15. state of matter in which a material has a definite shape but not a definite volume
 16. the phase change in which a gas or vapor changes directly into a solid without changing into a liquid

17. the reversible physical change that occurs when a substance changes from one state of matter to another
 19. the system releases energy to its surroundings

Down

1. the energy a substance must absorb in order to change from a liquid to a gas
 2. the pressure caused by the collisions of particles in a vapor with the walls of a container
 4. the energy a substance must absorb in order to change from a solid to a liquid
 5. state of matter in which materials have a definite shape and a definite volume
 6. the process that changes a substance from a liquid to a gas at temperatures below the substance's boiling point

7. the direct proportion of the volume of a gas to its temperature if the pressure and the number of particles of the gas are constant
 8. the energy an object has due to its motion
 9. the inverse variation of the volume of a gas with its pressure if the temperature and the number of particles are constant
 14. the system that absorbs energy from its surroundings
 18. state of matter in which a material has neither definite shape nor a definite volume