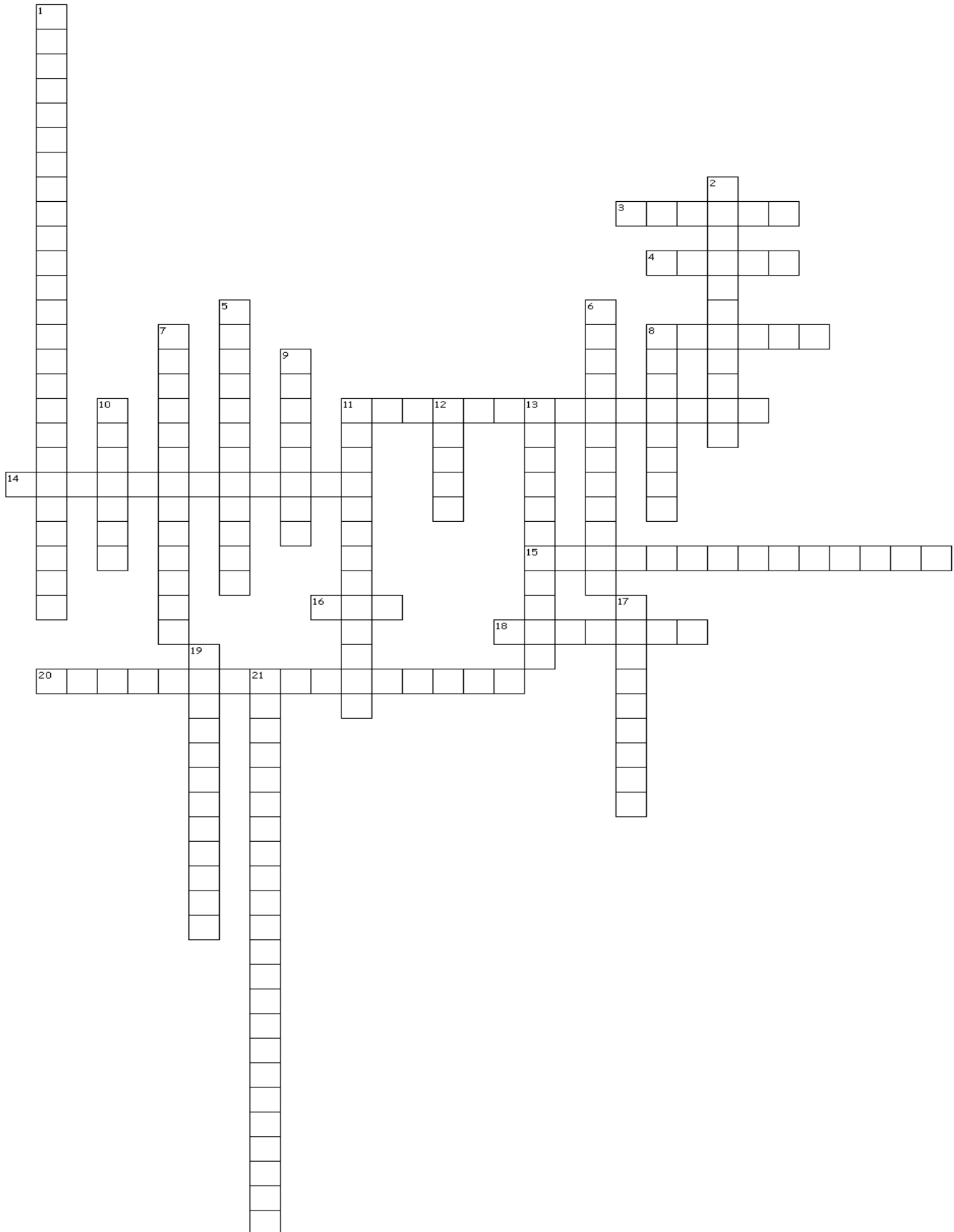


States of matter vocabulary



Across

- 3. a substance that has definite volume but no definite shape
- 4. a substance with a definite shape and volume
- 8. a state of matter that forms when temperatures are high enough to completely remove electrons from the atoms to which they were bound
- 11. the result of an inward pull among the molecules of a liquid that brings the molecules on the surface closer together
- 14. temperature at which a solid changes to a liquid
- 15. the particles are not arranged in a pattern
- 16. a substance that has neither a definite shape nor a definite volume
- 18. the process that occurs when vaporization takes place inside a liquid as well as on the surface
- 20. the particles form a regular, repeating pattern

Down

- 1. energy can neither be created nor destroyed
- 2. a phase change from solid directly to gas or from gas directly to solid, w/o ever turning into a liquid
- 5. the temperature at which a liquid vaporizes and changes to a gas
- 6. the changing of a substance from a gas to a liquid
- 7. temperature at which a liquid changes to a solid
- 8. the force of the outward push on a surface divided by the total area over which the force is exerted
- 9. the change from the liquid to the solid state of matter
- 10. the change from the solid to the liquid state
- 11. the physical form in which matter exists; also called phase of matter
- 12. a substance that can easily flow
- 13. the process that occurs when vaporization only takes place on the surface
- 17. a liquid's resistance to flowing
- 19. process in which a liquid changes to a gas
- 21. the total amount of matter can neither be created nor destroyed during chemical and physical changes