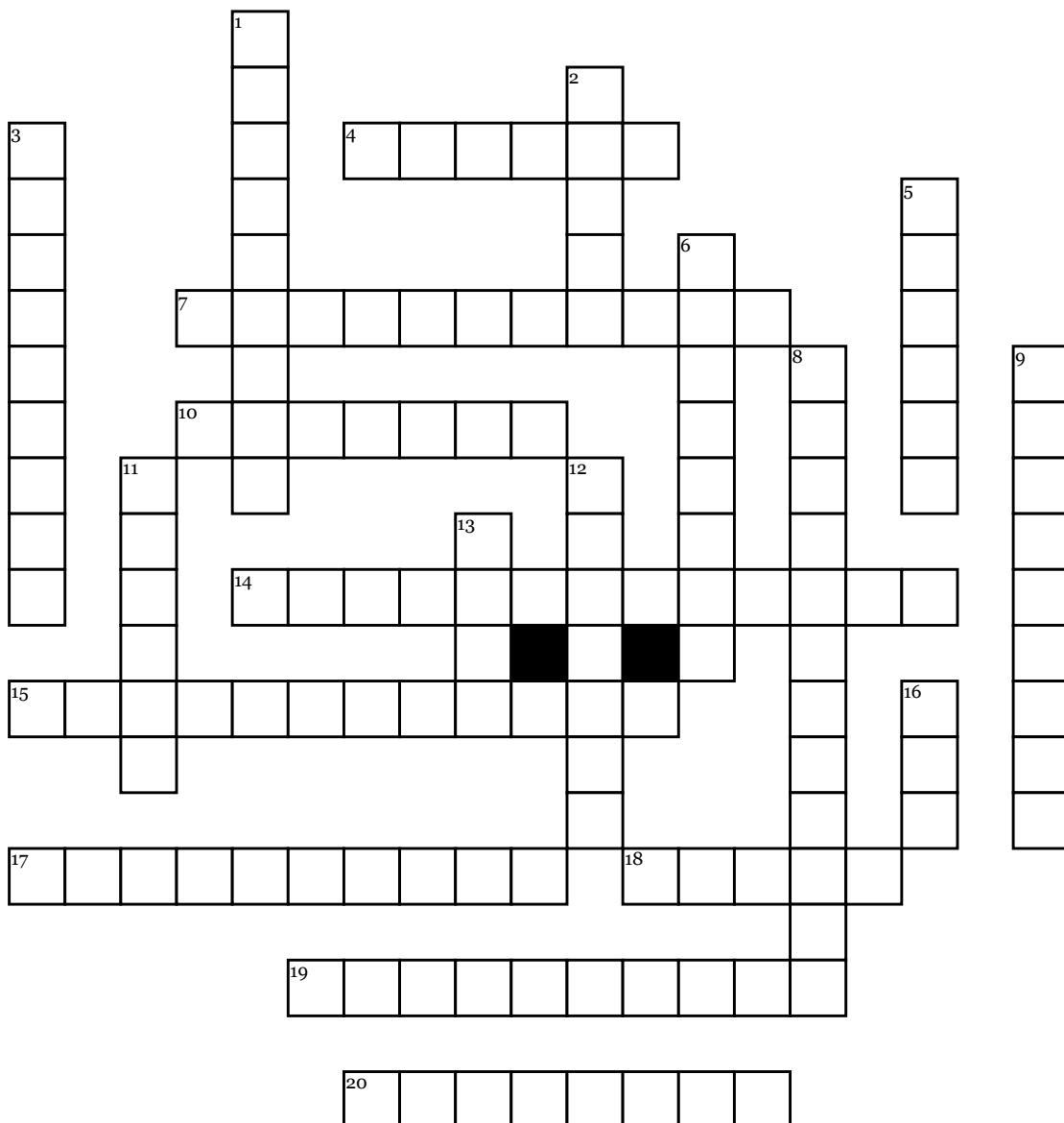


States of Matter and Atoms



Across

4. Molecules slide over each other in this phase of matter.
 7. Solid to gas
 10. This holds no charge
 14. The addition of this, increases molecule speed and can eventually result in a phase change. (2 words)
 15. This is the number on the periodic table that tells you the number of protons AND electrons in an atom. (2 words)
 17. This minus the atomic number will give you the number of neutrons in an atom. (2 words)

18. This has a definite shape and volume.

19. gas to solid

20. This element has the atomic symbol N.

Down

1. These are made up of atoms
 2. How many electrons can exist in the second energy level?
 3. This is a way to describe the movement of solid molecules
 5. This atomic particle has a positive charge.
 6. Water is an example of this but diatomic Nitrogen is not.

8. Another word for Evaporation

9. These are the smallest atomic particles

11. This element is found in all organic matter (all organisms).

12. A dense, tightly packed part of an atom

13. The smallest unit of matter that maintains all of its properties

16. This has a volume and shape that depends on its container.