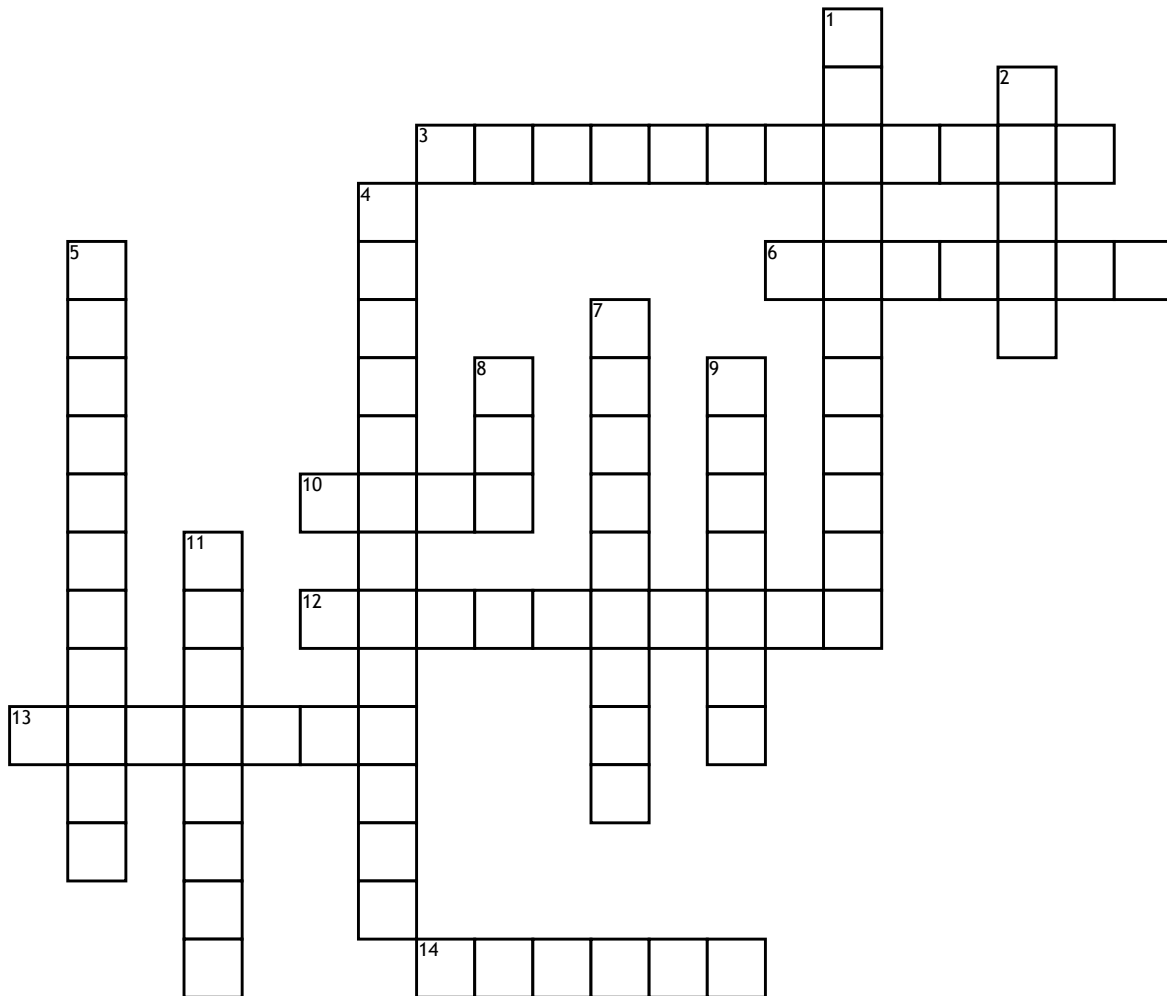


# States of Matter



## Across

3. The reason droplets of water appear on the inside of your windows.

6. The temperature at which a liquid becomes a gas is the \_\_\_\_\_ point.

10. If you change the temperature of matter, you may change its volume but you won't change its \_\_\_\_\_.

12. You may see frost on a cold day because of this process.

13. What the molecules in a solid do.

14. The state of matter in which molecules can move freely but are still fairly close together.

## Down

1. A liquid turns to gas through the process of \_\_\_\_\_.

2. The state of matter with a fixed shape and volume.

4. The total kinetic energy of the molecules that make up matter. (2 words)

5. What we saw with the dry ice when it went directly from a solid to a gas.

7. Both liquids and gases take on the shape of their \_\_\_\_\_.

8. The state of matter in which molecules are the farthest apart.

9. The process by which a solid becomes a liquid.

11. To change a gas to a liquid, you must \_\_\_\_\_ its thermal energy.