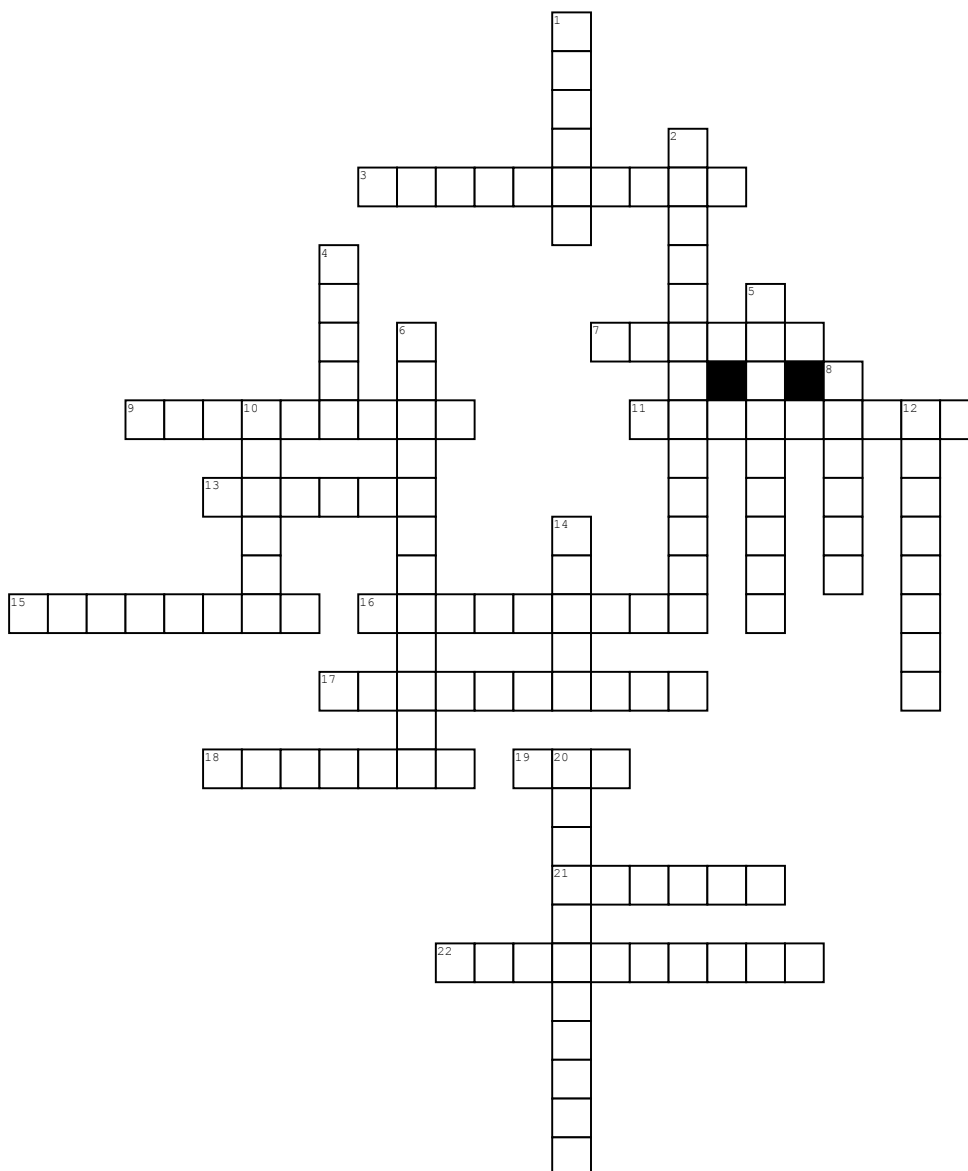


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Gas Laws



## Across

3. The speed of a gas particle is inversely related to the square root of its mass
7. Represented by Pa
9. When perfume is sprayed in one corner of a room, but can eventually be smelled in the other corner.
11. Measures pressure in general
13. The greatest teacher in the entire world and the teacher that will hopefully accept this extremely late paper. <3
15. Represented by the letter p
16. At constant T and n, the pressure and volume of a gas are inversely related.

17. In a mixture of gases, the total pressure is equal to the sum of the individual partial pressures.
18. Series of laws that describe the behavior of samples of gases under varying conditions of V, T, P, and amount.
19. Standard Temperature and Pressure is abbreviated is....
21. Universal gas law
22. At constant P and n, the volume of a gas is directly related to its Kelvin temperature.

## Down

1. Represented by the letter V
2. At constant V and n, the pressure of gas is directly related to its Kelvin temperature.
4. n represents the number of what

5. This instrument measures atmospheric pressure
6. The volume of gas depends upon the moles of particles.
8. Celcius plus 273 makes this measurement of temperature
10. Heating up the molecules of a gas allow the particles to move....
12. The process in which gas escapes through a small hole in its container
14. This state of matter assumes the shape and volume of its container, they are compressible, mix evenly and completely, have low densities, and exert pressure.
20. Celsius, Fahrenheit, and Kelvin are measurements of what