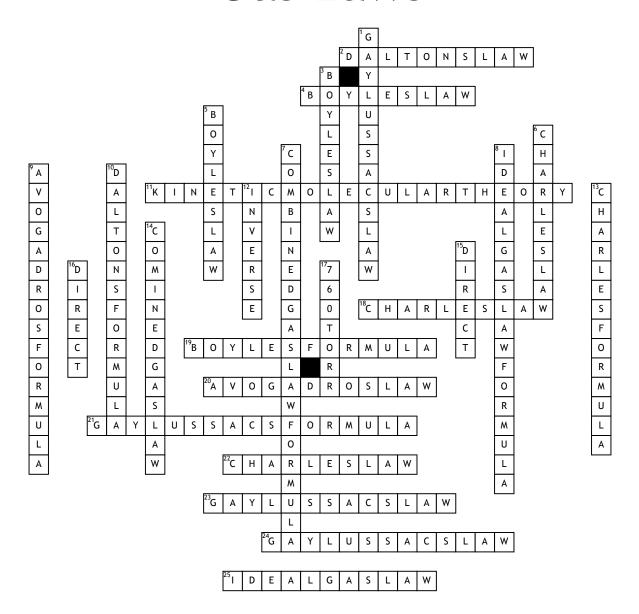
Gas Laws



Across

- **2.** total pressure of a mixture of nonreacting gases is the sum of their idvidual partical pressures
- **4.** indirect relationship between pressure and volume
- 11. as particles are heated, they move faster and exert more pressure on the walls of their container
- **18.** Direct relationship between volume and temperature
- 19. P1 x V1 = P2 x V2
- **20.** direct relationship between the number of moles and volume
- **21.** P1/T1 = P2/T2
- **22.** What law happens when you put a balloon into liquid nitrogen?

- **23.** What law is it when you open a sealed container of hot food?
- **24.** What law is it when you heat a can and then put it into water?
- **25.** the ideal law that factors at STP and includes number of moles

Down

- 1. Direct relationship between pressure and temperature
- 3. What law is a spay can?
- **5.** What law happens what you twist a straw and then flick it?
- 6. What law happens what you leave a basketball out side in cold weather for a long time?
- **7.** P1V1/T1 = P2V2/T2

- 8. PV = nRT
- 9. V1/n1 = V2/n2
- **10.** Ptotal = Pa + Pb + Pc.....
- **12.** Is Boyle's Law a inverse or direct porportion?
- **13.** V1/T1 = V2/T2
- **14.** A law that combines Boyles, Charles, and Lussacs laws
- **15.** Is Charles's law inverse or direct porportion?
- **16.** Is Ideal Gas Law a inverse or direct porportion?
- 17. What does 1 atm equal?