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Science worksheet

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| **Across****3.** The combination of three gas laws (Boyles,Charles and Gay Lussac)**7.** Application of Boyles Law**8.** amount of space/gas occupied**9.** Unit of pressure**10.** a scientific instrument used to measure air pressure.**12.** measure of KE of the particles**13.** states that P X V = n X (R) X T, where P is pressure, V is volume, n is the number of moles of molecules, T is the absolute temperature, and R is the gas constant (8.314 joules per degree Kelvin or 1.985 calories per degree Celsius).**15.** Law that describe the relationship between temperature and pressure | **Down****1.** effect of forces of a colliding molecules**2.** states the volume is inversely proportional to pressure at constant temperature**4.** Unit of volume**5.** law that tends to describe how volume change when temperature increase or decrease**6.** a standard scientific unit for measuring large quantities of very small entities such as atoms, molecules, or other specified particles.**11.** is the primary unit of temperature measurement in the physical sciences, but is often used in conjunction with the degree Celsius**14.** states that the volume of gas is directly proportional to the number of moles |