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that the sum of the partial pressures of individual gases is equal to the key 1 boyle s law when is held constant the pressure and volume the behavior of gases can be modeled with gas laws boyle s law relates a gas s pressure and volume at constant temperature and amount charles s law relates a gas s volume and temperature at constant pressure and amount in gas laws temperatures must always be expressed in kelvins legarrette blount decides to go scuba diving while on vacation in mexico as he swims deeper into the ocean the pressure pushing on him increases based on the relationship in boyle s law what would happen to the volume of a legarrette s lungs with this increase in pressure view copy of unit 7 review pdf from science sc013s at lafayette high school unit 7 review with answers boyles and charles s law 1 convert the following a 32 50c k b 145 k 0c c 45 50c

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for example boyle s law is the relationship between volume and pressure when amount and temperature are constant if we take the variable  $n$  and  $t$  in  $pV = nRT$  as constants then everything on the right is a constant

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the gas laws in chemistry are boyle s law charles law the combined gas law avogadro s law and the ideal gas law gas variables o pressure  $p$  the force per unit area on a surface gas molecules exert force and therefore pressure on any surface sides of container with which they collide

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