Question #16029

Charles law is for $p = const$. Hence, $\frac{V}{T} = const$, and $\frac{V_1}{T_1} = \frac{V_2}{T_2}$, which gives $T_2 = T_1 \frac{V_2}{V_1}$, and the pressure remains constant. So, if the volume increased, the temperature increased too, and vice versa.