The Gas Laws

Law	Relates	Held Constant	Equation
Boyle's Law	P, V	T, n	$PV = k_T \;;\; P_1 V_1 = P_2 V_2$
Charle's Law	V, T	P, n	$\frac{V}{T} = k_p \;;\; \frac{V_1}{T_1} = \frac{V_2}{T_2}$
Gay-Lussac's Law	T, P	V, n	$\frac{P}{T} = k_v \;;\; \frac{P_1}{T_1} = \frac{P_2}{T_2}$
Combined Gas Law	P, V, T	n	$\frac{PV}{T} = k_n \;;\; \frac{P_1 V_1}{T_1} = \frac{P_2 V_2}{T_2}$
Avogadro's Law	V, n	T, P	$\frac{V}{n} = k_z \;;\; \frac{V_1}{n_1} = \frac{V_2}{n_2}$
Ideal Gas Law	P,V, n, T	*Nothing!*	$PV = nRT$