

# Solving Problems: Boyle's Law

## ***BOYLE'S LAW***

$$\begin{array}{ccccccc} & & \text{Initial volume} & & \text{New pressure} & & \\ & & | & & | & & \\ \text{Initial pressure} & - & P_1 V_1 & = & P_2 V_2 & - & \text{New volume} \\ & & | & & | & & \\ & & \text{Initial volume} & & \text{New volume} & & \end{array}$$

*Mass and temperature remain constant*