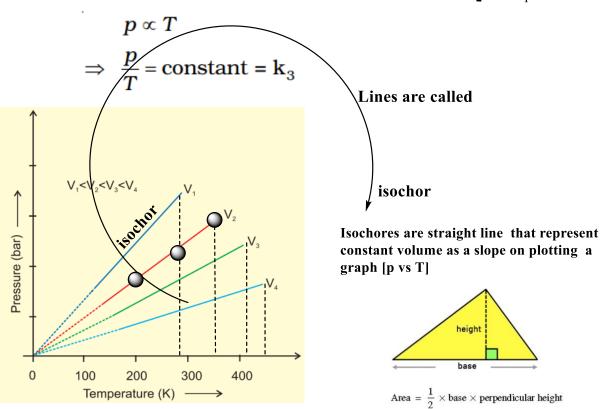
## Gay Lussac's Law (Pressure-Temp. Relationship)

## The mathematical relationship

Joseph Gay Lussac's law

It states that at constant volume, pressure of a fixed amount of a gas varies directly with the temperature.

if V is Constt & m is Constt pαT



Pressure vs temperature (Kelvin) graph at constant molar volume is shown in Fig. 5.7. Each line of this graph is called isochor