



- According to the LAW OF CONSERVATION OF MASS, in a chemical equation, mass remains constant.
- In a chemical reaction, bonds break and re-generate but the number of atoms remains the same.













When fats gain oxygen, it oxidises and thus causes rancid smell.



Laws of Gases

1. Boyle's Law (1662)





(At constant temp.)

$$P_1 V_1 = P_2 V_2$$

2. Charle's Law (1780)



3. Gay Lussac's Law (Law of combining volume of gases)



## 4. Dalton's Law (Law of partial pressure)

Total pressure of a mixture of gases is equal to the sum of partial PARMAR e of each gas.