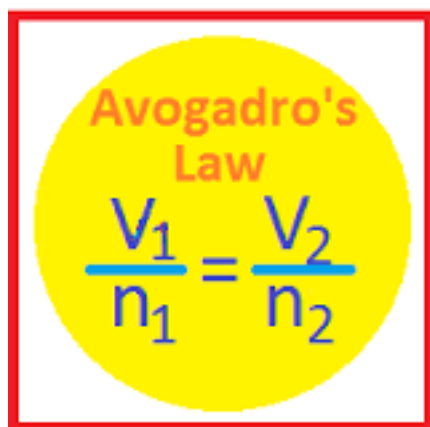
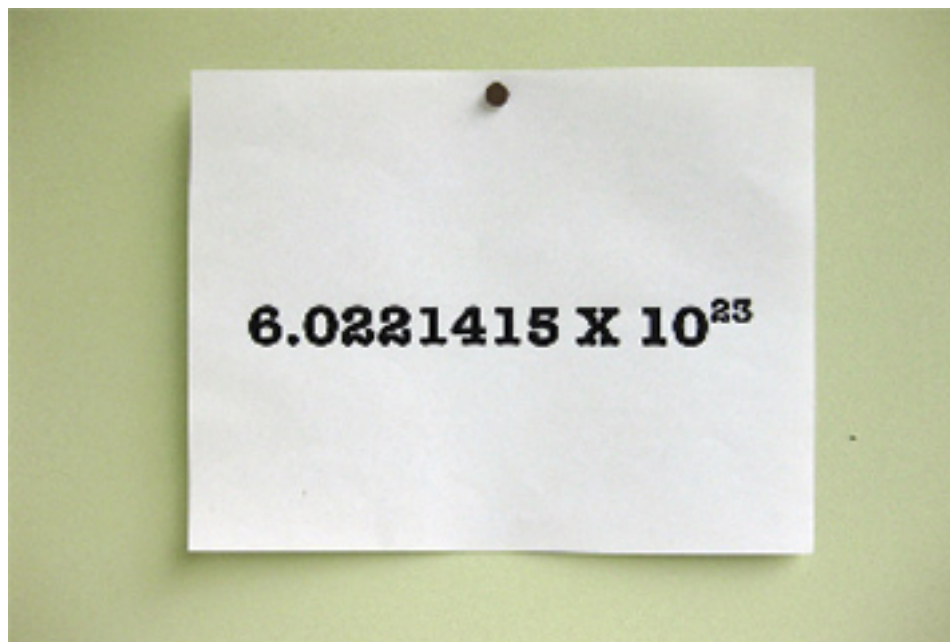


# Romano Amadeo Carlo Avogadro 1776-1856



Equal gas volumes  
Contain equal number of molecules

	Ar	O <sub>2</sub>	N <sub>2</sub>
Volume:	22.4 L	22.4 L	22.4 L
Mass:	40 g	32 g	28 g
Quantity:	1 mol	1 mol	1 mol
Pressure:	1 atm	1 atm	1 atm
Temperature:	273 K	273 K	273 K