



























Boyle's Lav	$\mathbf{v} (\mathbf{\dot{P}}_1 \mathbf{V}_1 = \mathbf{P}_2 \mathbf{V}_2)$
/	relationship of gases
– of a ga	as is proportional to
 as one variable incr 	eases, the other
Pressure	Volume
1atm	
	100ml
4atm	
	15



























	Avog	adro's La	W
– at th equa equa	e same al al number of j	and of any give	, en gas contain an
– Mola stan • 0 ⁰	ar Volume = _ dard tempera 2C and 1ATM	ature and press	of any gas at ure
	00	0	٨r
		$ O_2 $	AI
Pressure	100 torr	100 torr	100 torr
Pressure Volume	100 torr 5.0 L	0 ₂ 100 torr 5.0 L	100 torr 5.0L
Pressure Volume Temp.	100 torr 5.0 L 800 K	0 ₂ 100 torr 5.0 L 800 K	100 torr 5.0L 800 K

