1)
1.1)
$$1 = 2 \text{mol}$$
 $P = 3 \text{atm}$
 $T = 300 \text{K}$

1.2) Condiciones normales
$$V = 1.22,4$$

$$5 = 1.22,4$$

$$1 = 0,223 \text{ moles}$$

2.2) Volumen disminuye

· Capacidad termica disminuye

· Las particulas se acercan más entre s:

2.3) Volumen y masa son cte

$$\frac{P_1}{T_1} = \frac{P_2}{T_2} \qquad \frac{P}{T} = K$$
Ley de Gay-Lussac

P. 101 = 0,082 atm. L. 298K.O, smol

Temperatura y mol contente

PV=K

$$1.V = \frac{V}{2}.P$$
 $P_2 = 2atm$

4.1)

- · los gases estan compuertos por Particulas pequeñas
 - · Colisioner elasticas
 - · Ausencia de tuerzos intermoleculares

42)

- · Movimiento constante y caotico
- · Espacios Vacios
 - · La Temperature q la velocidad del gas esta relacionada con lo energía cinética.

5)
$$51) \quad P = R + n$$

$$P = 0,082 \cdot (25 + 273) \cdot 2$$

$$P = 9,77 \text{ atm}$$

$$5.2) \quad V = 102 \qquad P = R + n$$

$$P = 3 \text{ atm} \qquad 3.10 = 9.082.273.0$$

$$t = 273 \times 0 = 4.34$$

6) (6.1)

$$6.5$$
)

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8)
$$V_{1} = 2L$$
 $V_{2} = 1$ $V_{3} = 1$ $V_{4} = 1$ $V_{5} = 1$ $V_{7} = 2$ $V_{7} = 3$ $V_{7} = 4$ $V_{7} = 3$ $V_{7} = 4$ $V_{7} = 3$ $V_{7} = 4$ $V_{7} = 5$ $V_{7} = 5$

