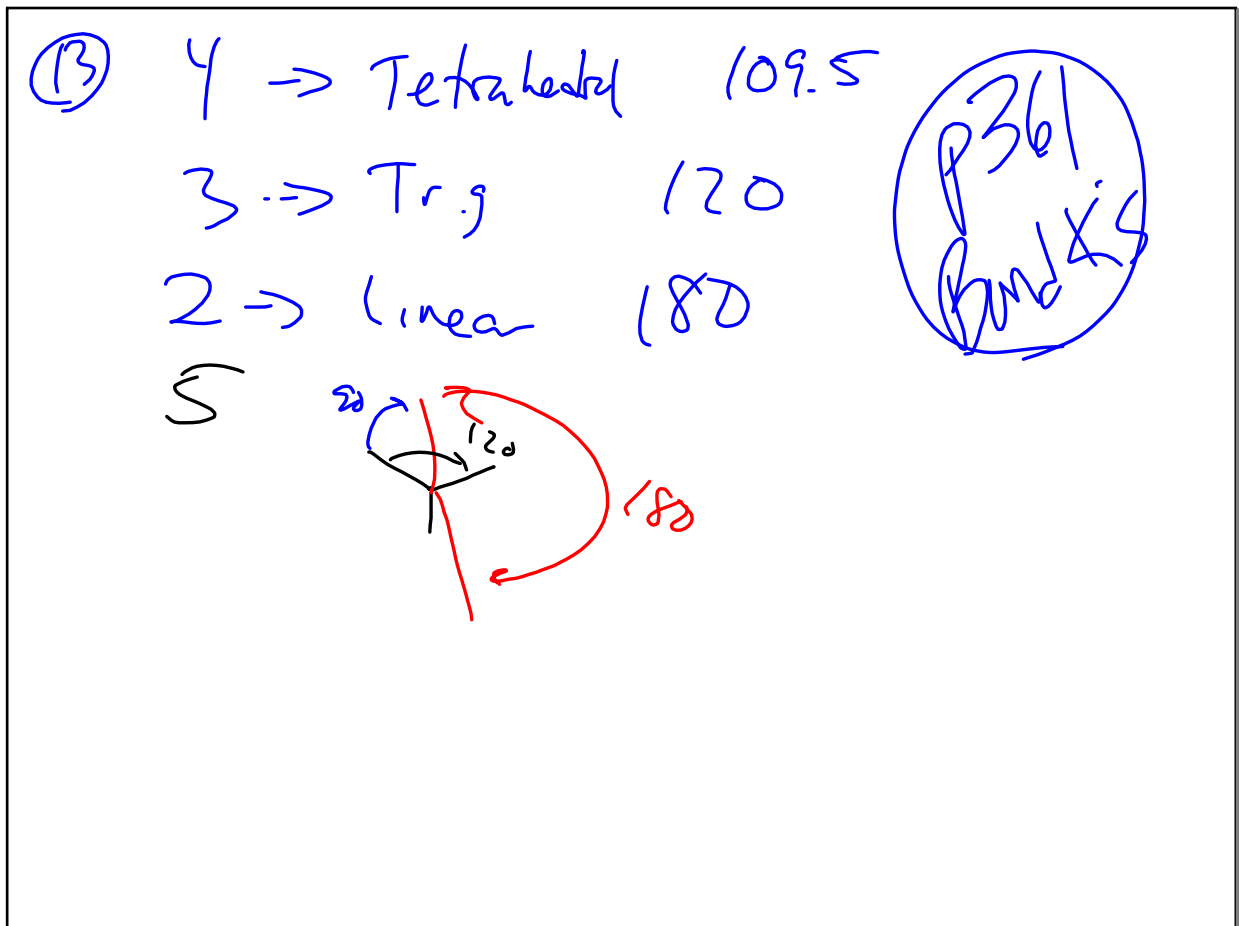
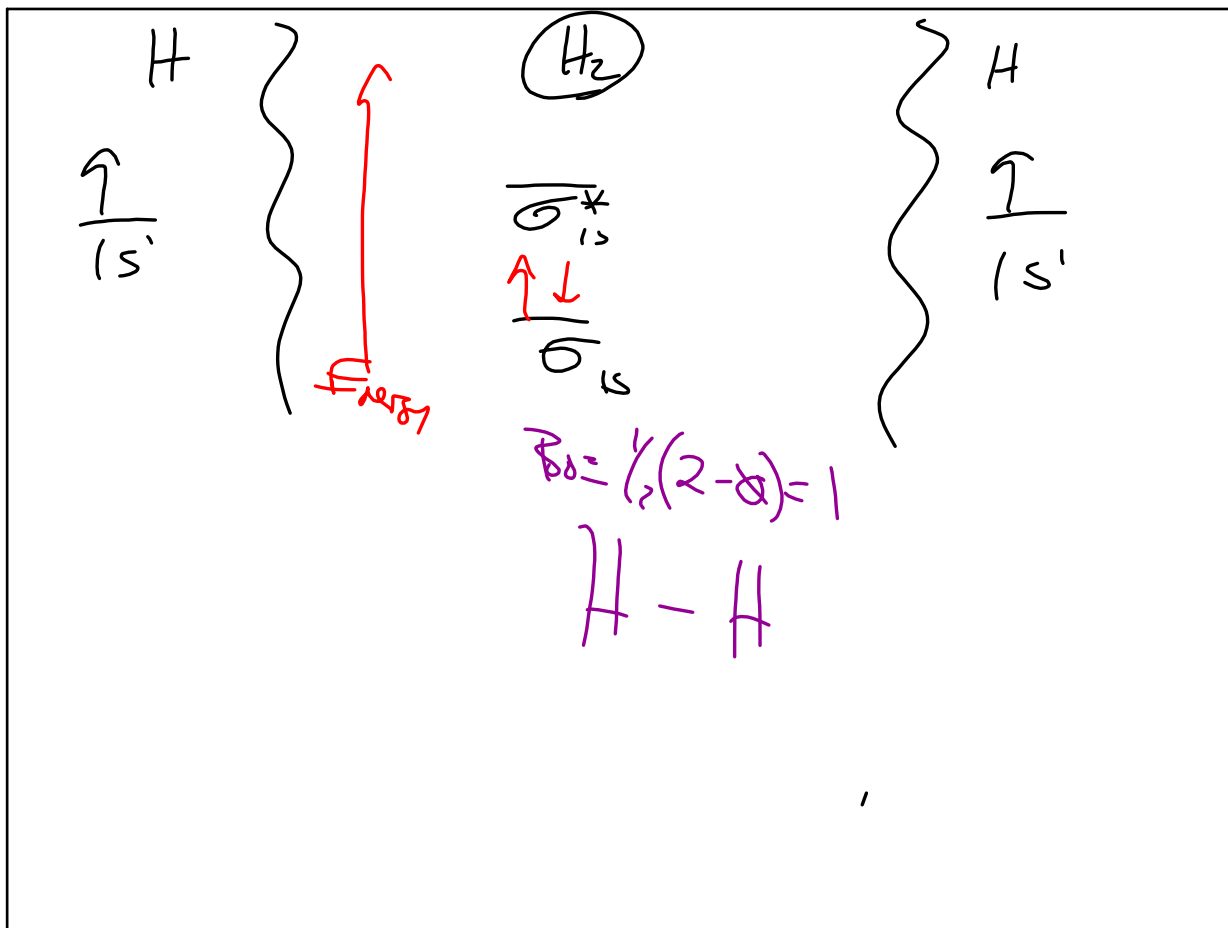


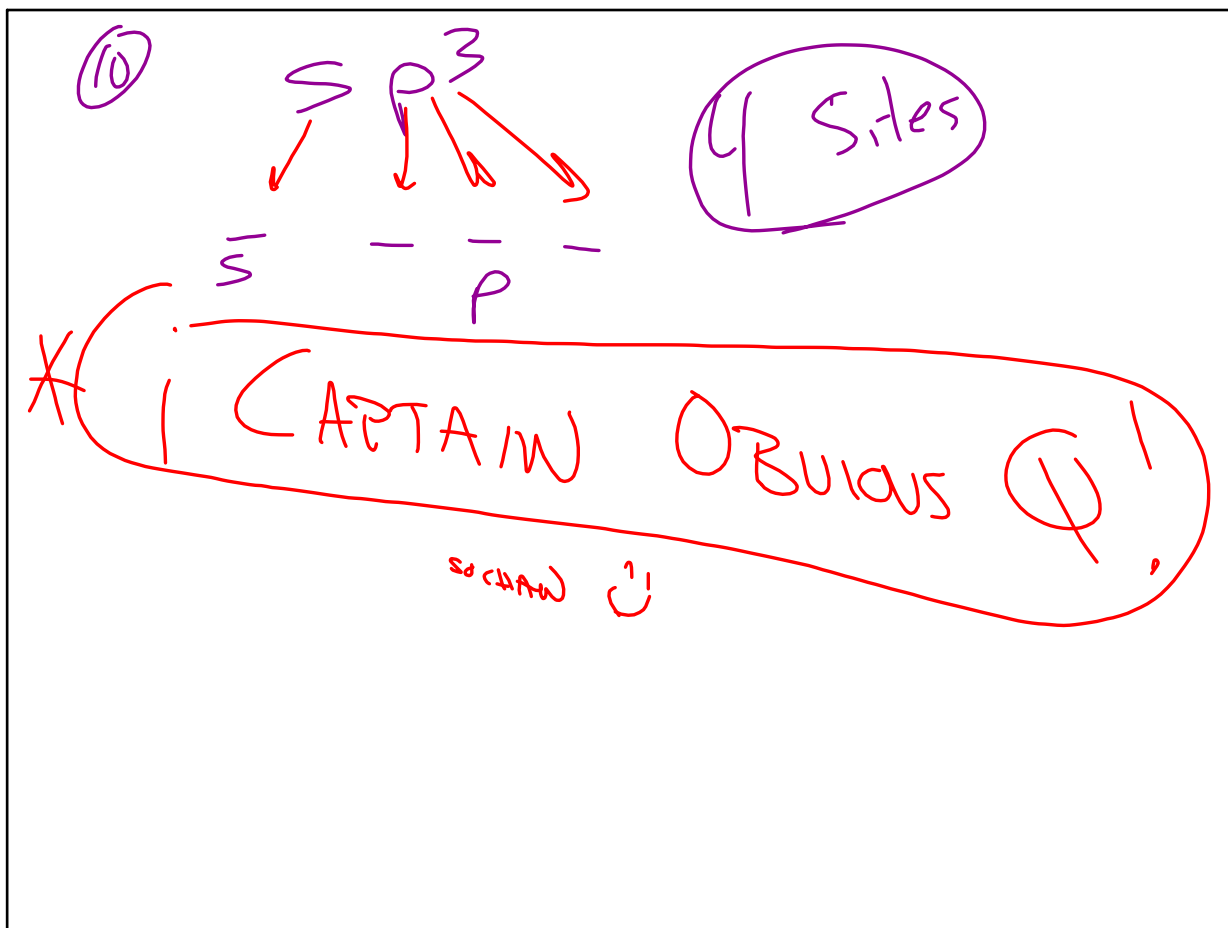
Dec 12-8:33 AM



Dec 12-8:53 AM



Dec 12-8:58 AM



Dec 12-9:00 AM

(20)

783 mmHg P_{atm}

661

Ar

$P_{Ar}?$

12.2 cm

122 mm

783

- 122

661 mmHg

Dec 12-9:01 AM

(21) $V_1 = 4.39 L$ $T_1 = 44^\circ C$ $P_1 = 729 \text{ torr}$

$V_2 = 3.78 L$ $T_2 = ?$ $P_2 = 729 \text{ torr}$

$$\frac{V_1}{T_1} = \frac{V_2}{T_2}$$

$$\frac{4.39}{317} = \frac{3.78}{T_2}$$

$T_2 = 273 K = 0^\circ C$

Dec 12-9:05 AM

(EC1) $100^{\circ}\text{C} \rightarrow 200^{\circ}\text{C}$ ✖
SO MANY!

$373\text{K} \rightarrow 473\text{K}$

$\frac{473}{373} = 1.27 \times$

TEMP MUST BE IN Kelvin

Dec 12-9:12 AM

(28) (31) ~~$\frac{P_1 V_1}{T_1} = \frac{P_2 V_2}{T_2}$~~

$\frac{V_1 T_2}{T_1} = V_2 \frac{T_1}{T_2}$

Dec 12-9:14 AM