

⑪ Solvent = decane UP 250mmHg 120°C

UP_{soln} = ? 0.970mole Camphor + 1000g decane.
 Solute MW 172g/mole

UP_{soln} = X_{solvent}

VP = $\frac{7.04}{7.04 + 0.970}$ (2.00)

$\frac{g}{mw} \frac{1000}{172} = 7.04$ mole decane

Jan 17-7:37 AM

⑭ 1.96g Ti, $\frac{9.84 \text{ kJ}}{2}$, ~~61.98%~~ - KJ ✓
mde Ti

9.84 kJ	61.98%	48 g Ti
1.96 g Ti	1.96 g Ti	1 mde Ti

Jan 17-7:48 AM

⑰ $\frac{25^\circ\text{C}}{0.9^\circ\text{C}} \mid \frac{250^\circ\text{C}}{500^\circ\text{C}} = 0.556^\circ\text{C}$
 ΔT

25^oC + 0.556 = 25.556
Start

25.6^oC

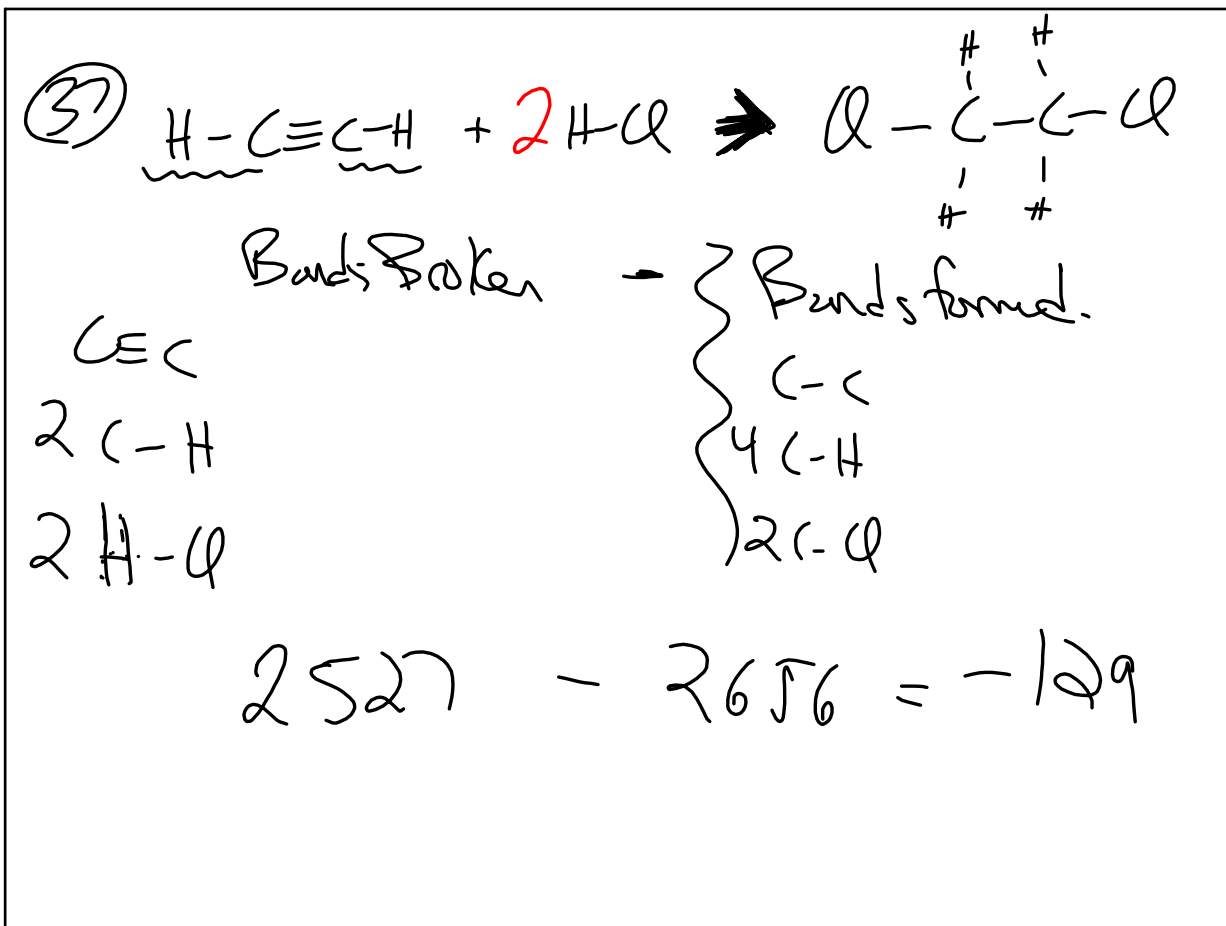
Jan 17-7:56 AM

$l = \frac{S | P | d | f}{0 | 1 | 2 | 3}$

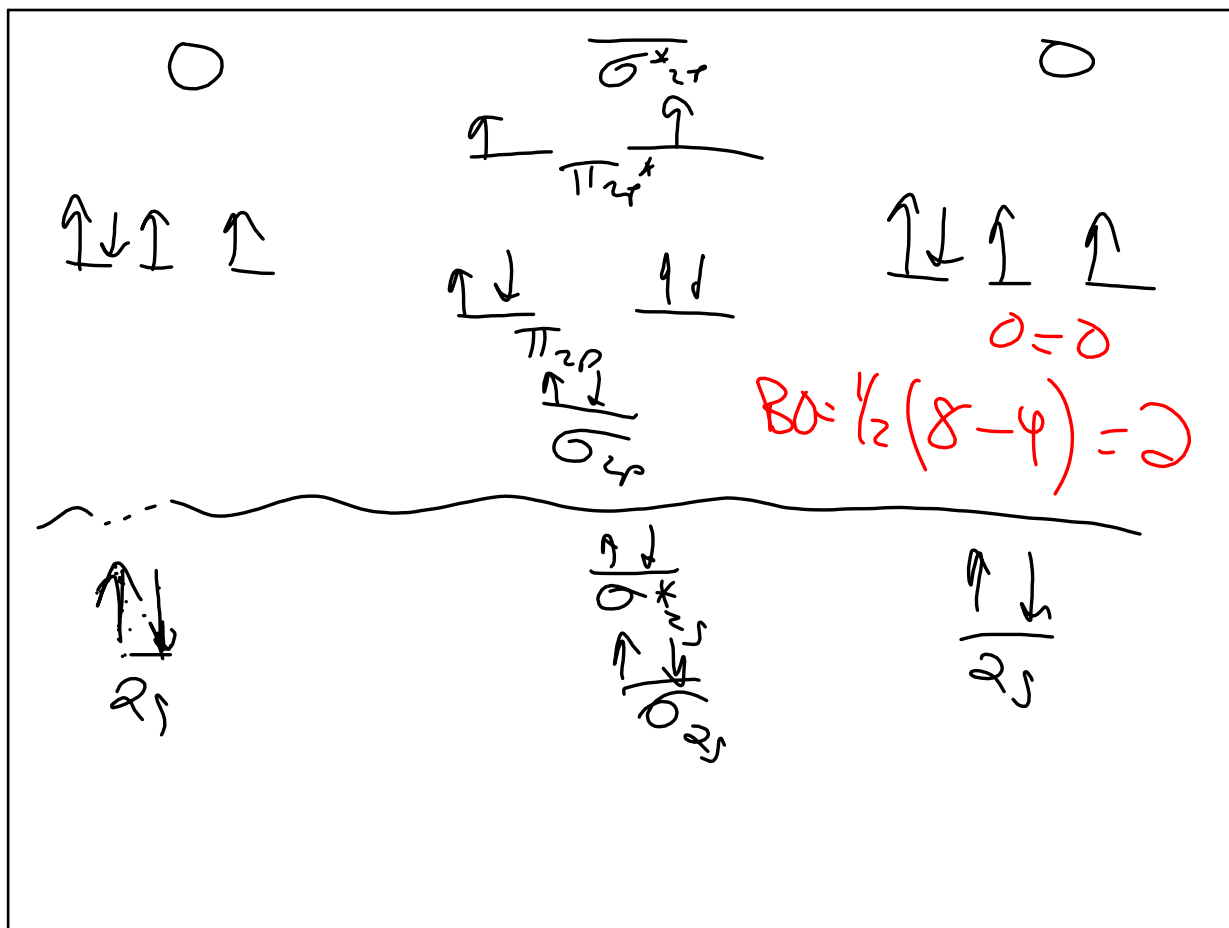
Jan 17-8:00 AM

$\textcircled{35} \Delta T = \left(\frac{\cancel{S} * M}{\cancel{S}} \right) l$

Jan 17-8:15 AM



Jan 17-8:18 AM



Jan 17-8:23 AM



$H_f =$ 1 Mole product from elements
 kJ/mole

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BP ↑

$$\Delta T = (K_b \times m) \cdot i$$

(0.52°C/m)

① BP Δ_{H_2O}

② BP 2g CaCl₂

BP 4g CaCl₂

EXPT

new BP

now BP

Jan 17-8:41 AM