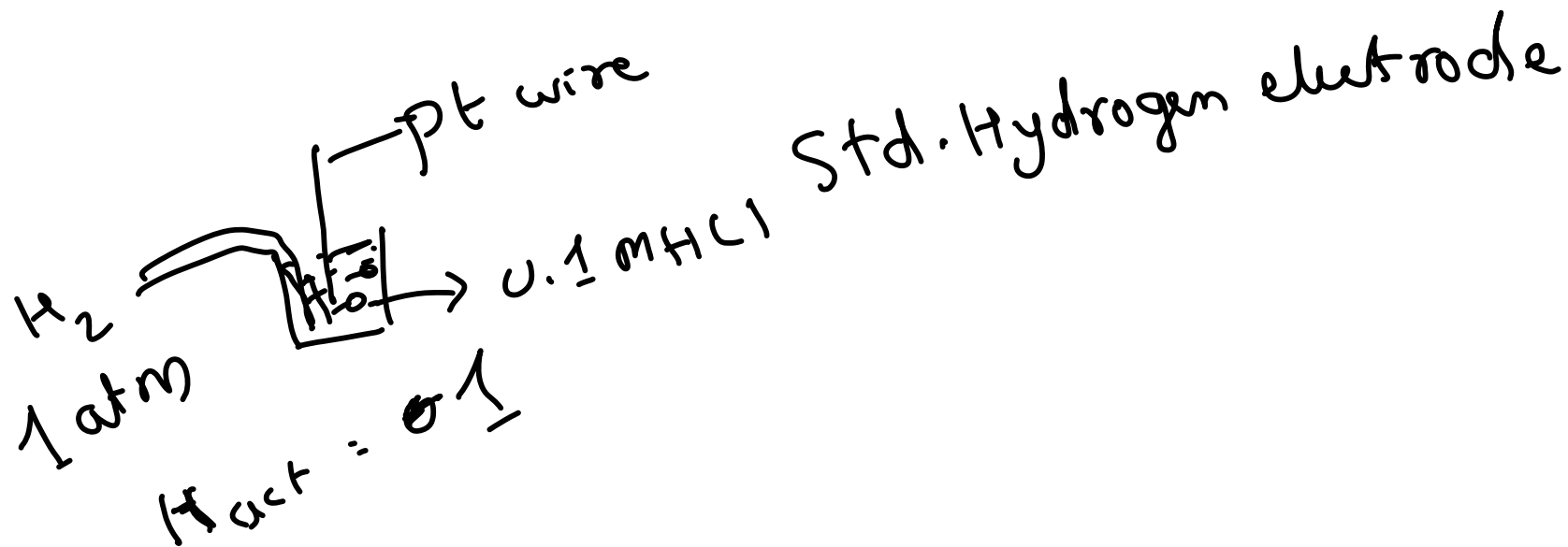


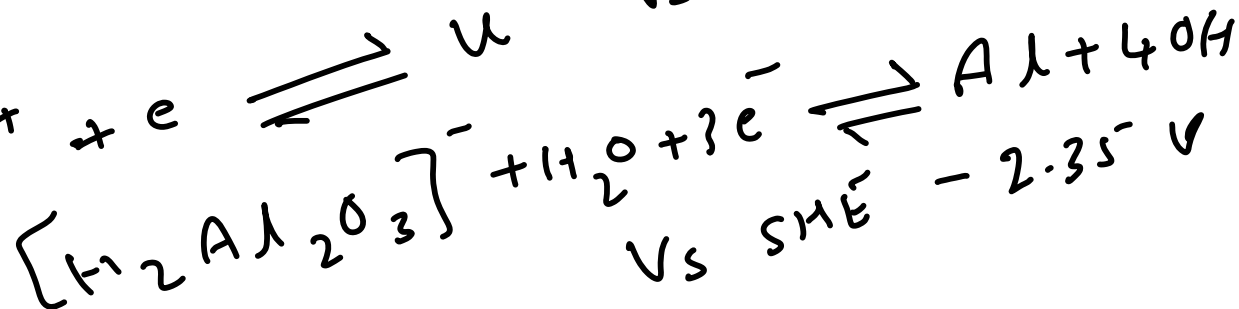
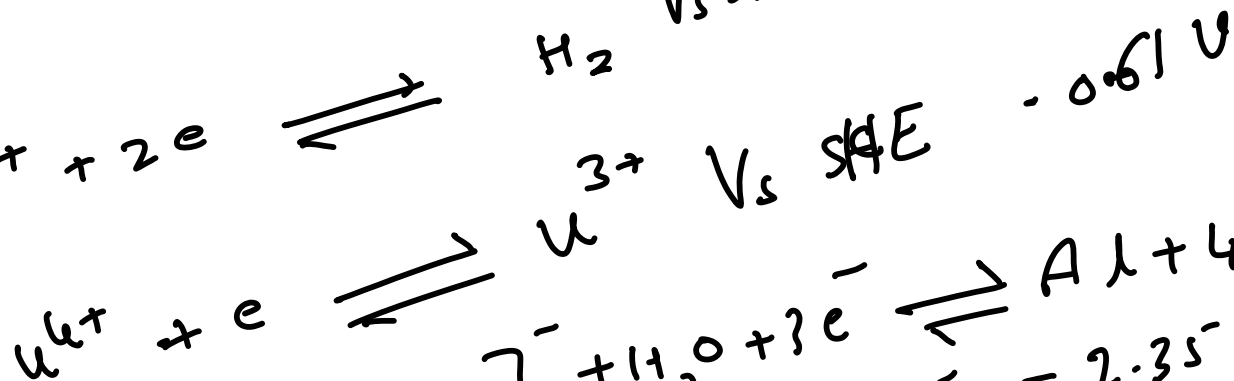
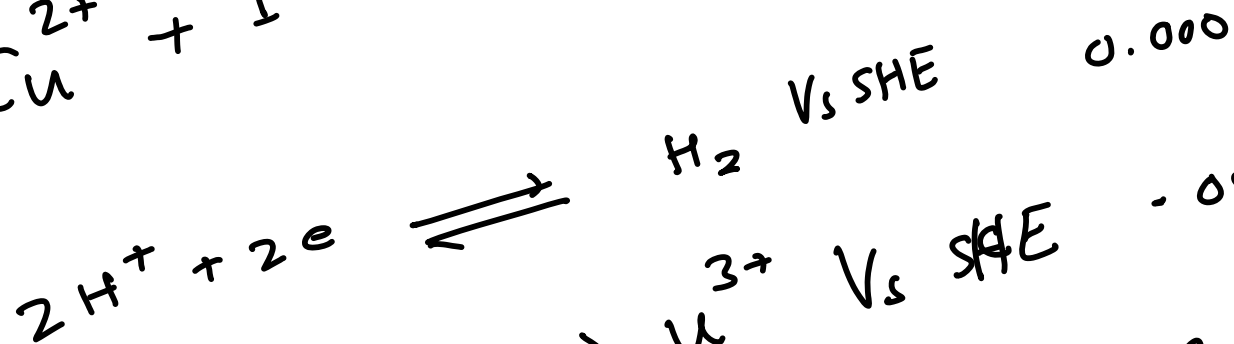
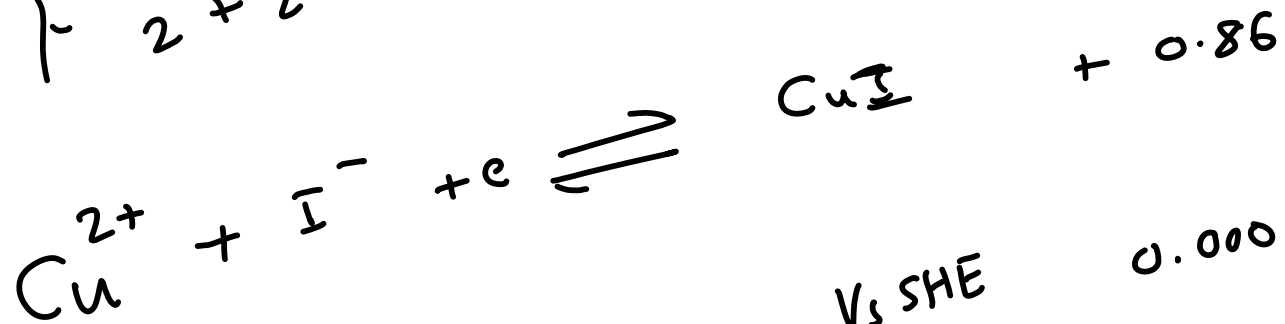
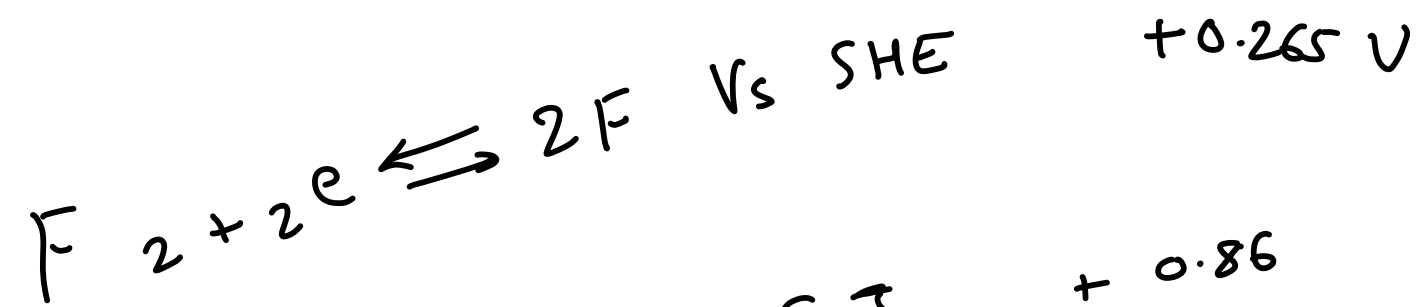
activity

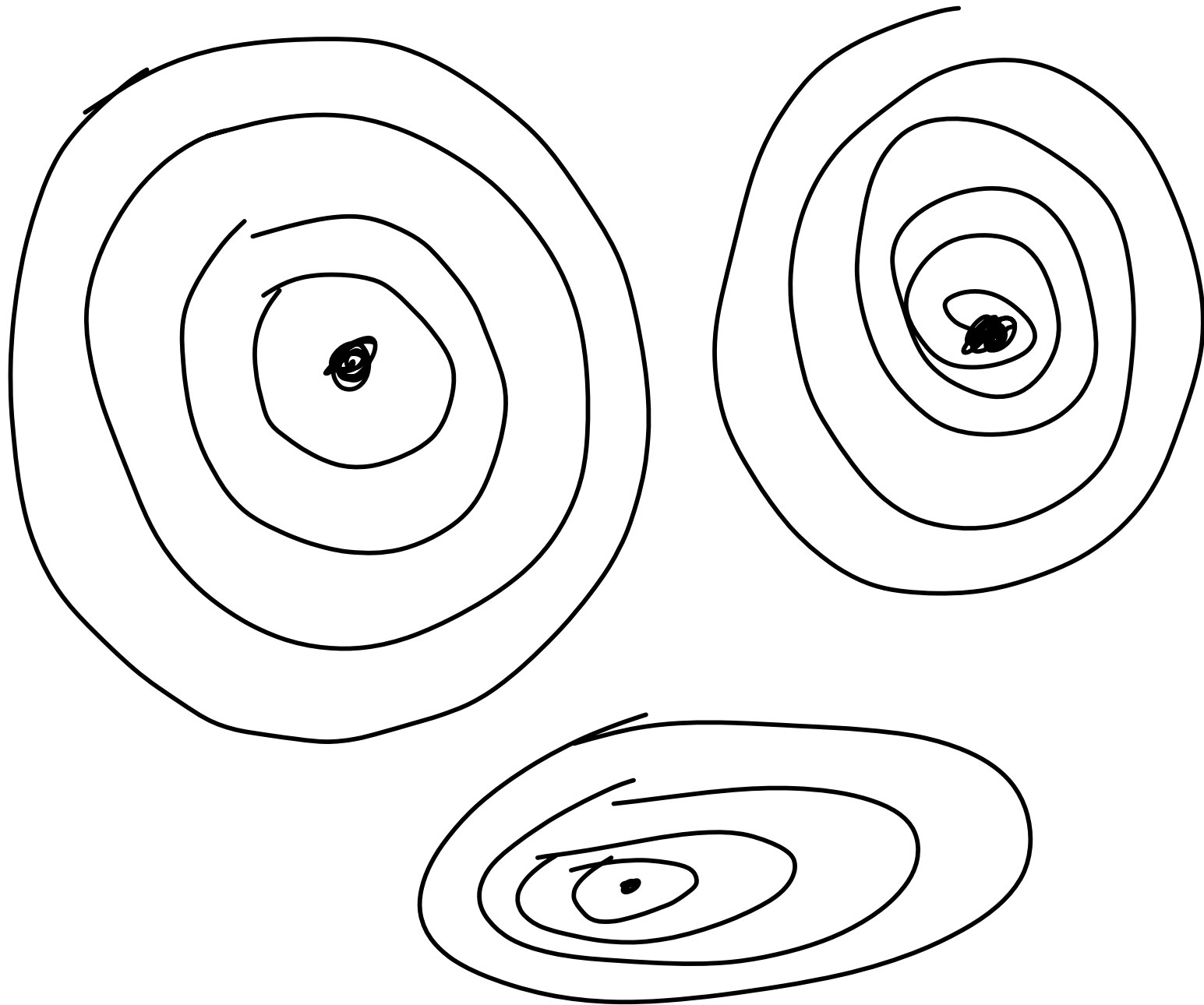
concentration

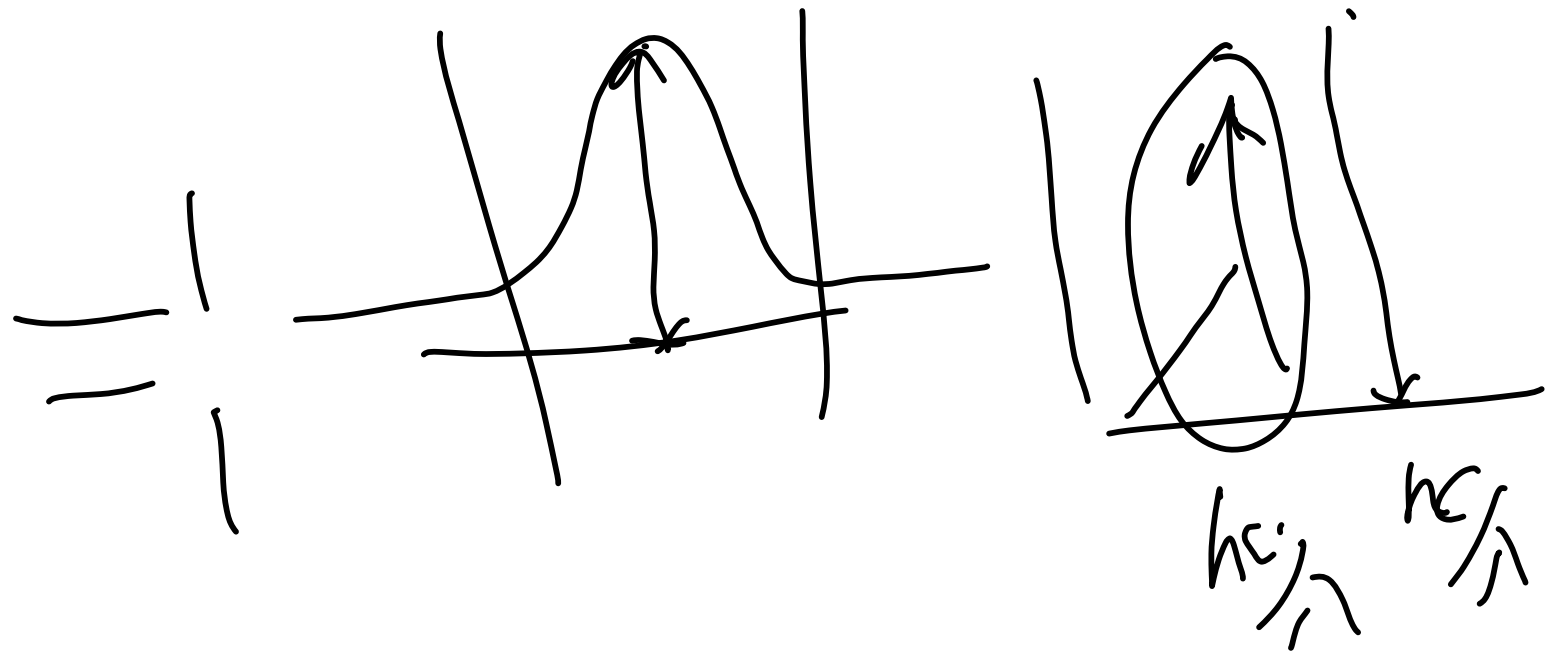
$a = \gamma \times \text{activity coefficient}$

$a = \text{concentration}$

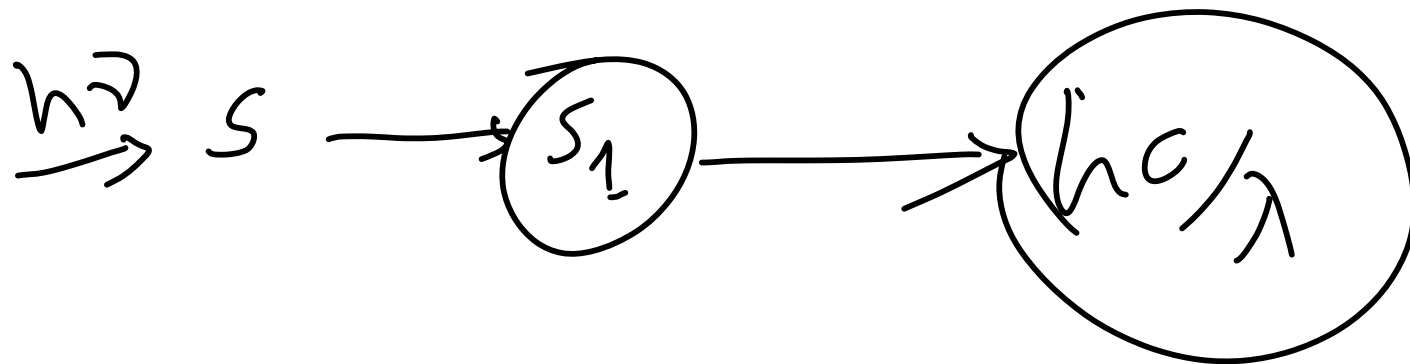


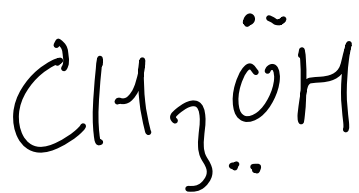




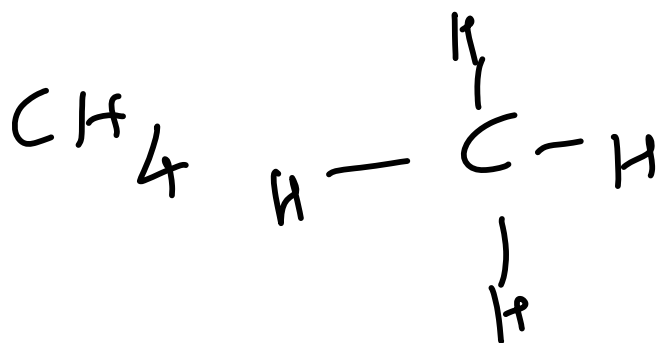


Fluorescence





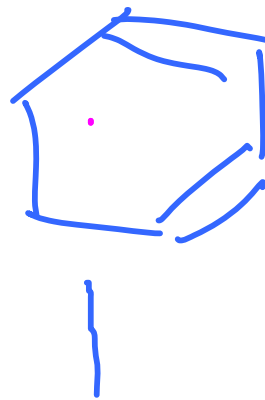
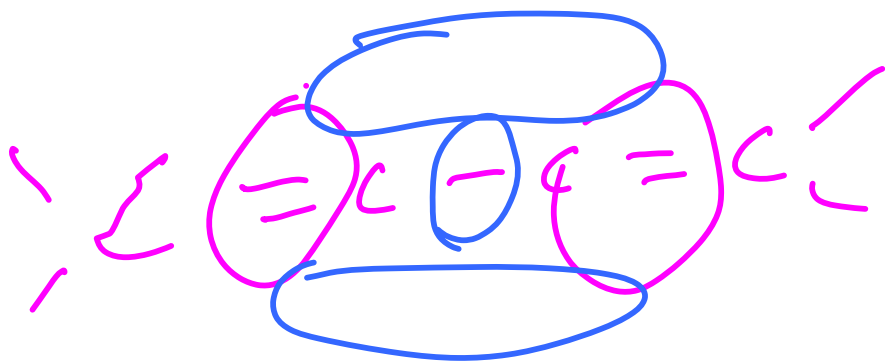
$n \rightarrow \sigma^*$   $\rightarrow$  End absorption  
 $n \rightarrow \pi^*$

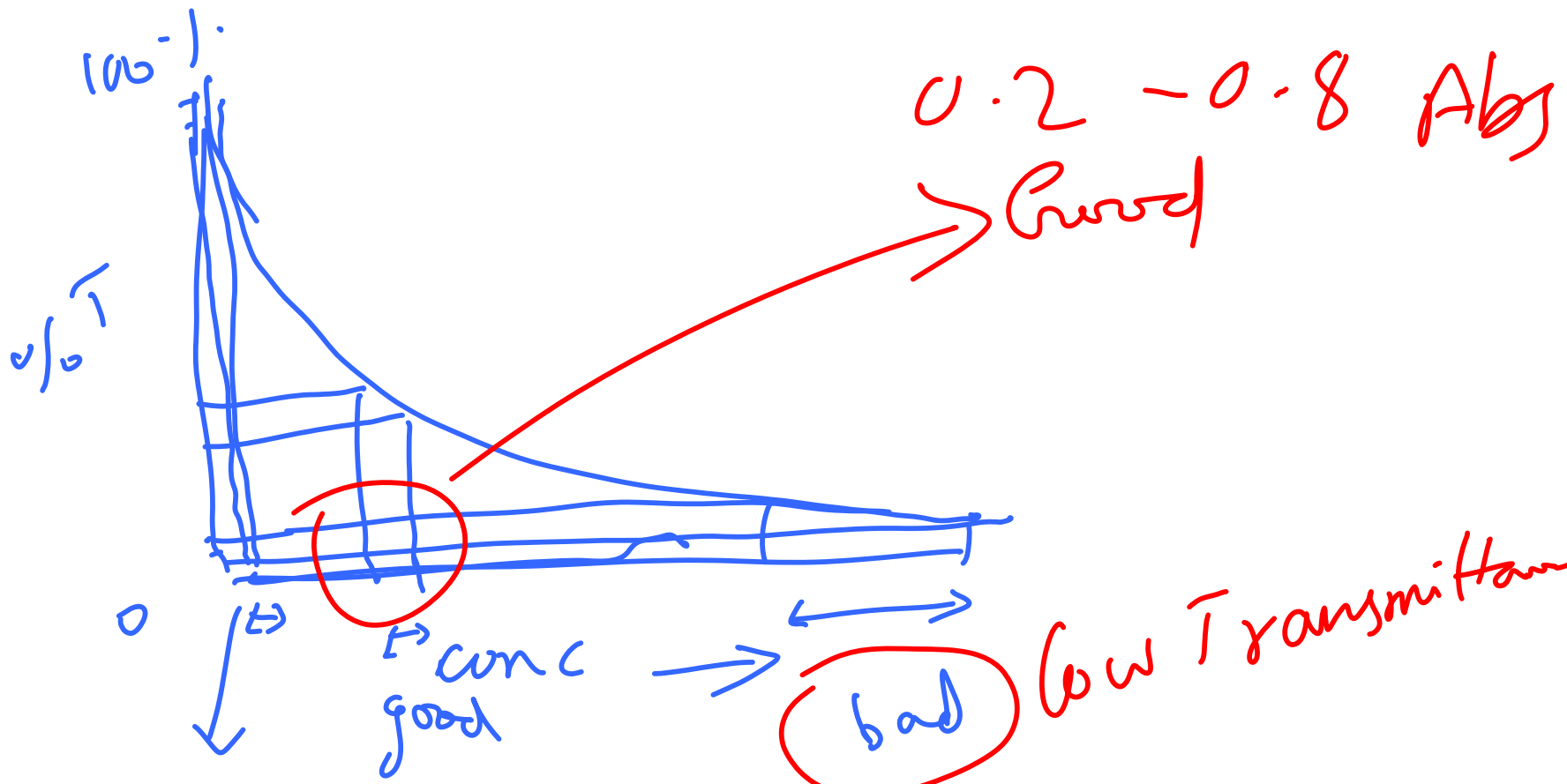


$\sigma \rightarrow \sigma^*$  Far UV



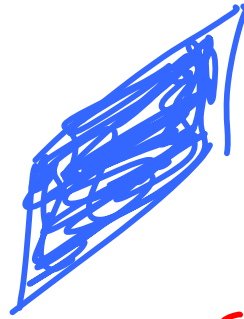
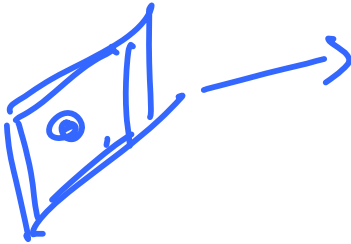
$\sigma \rightarrow \sigma^*$   
 $\pi \rightarrow \pi^*$



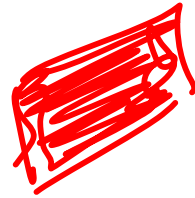
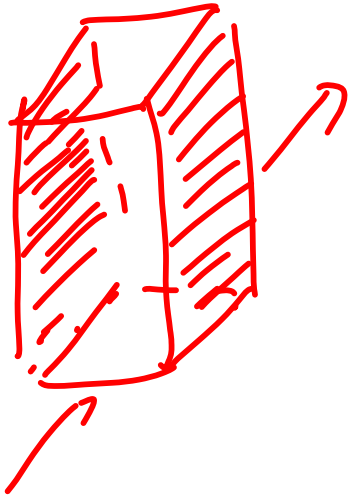


bad  
 High  
 Transmittance

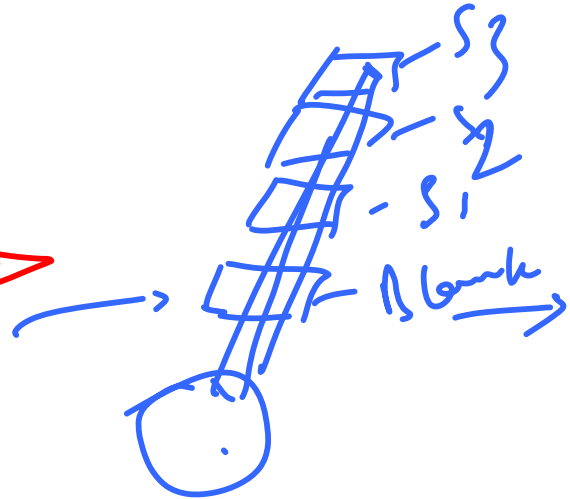
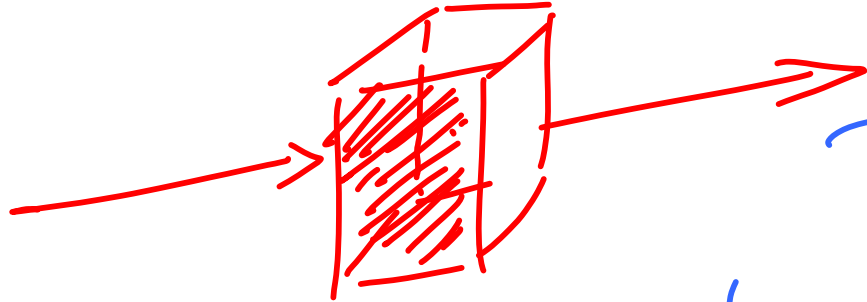


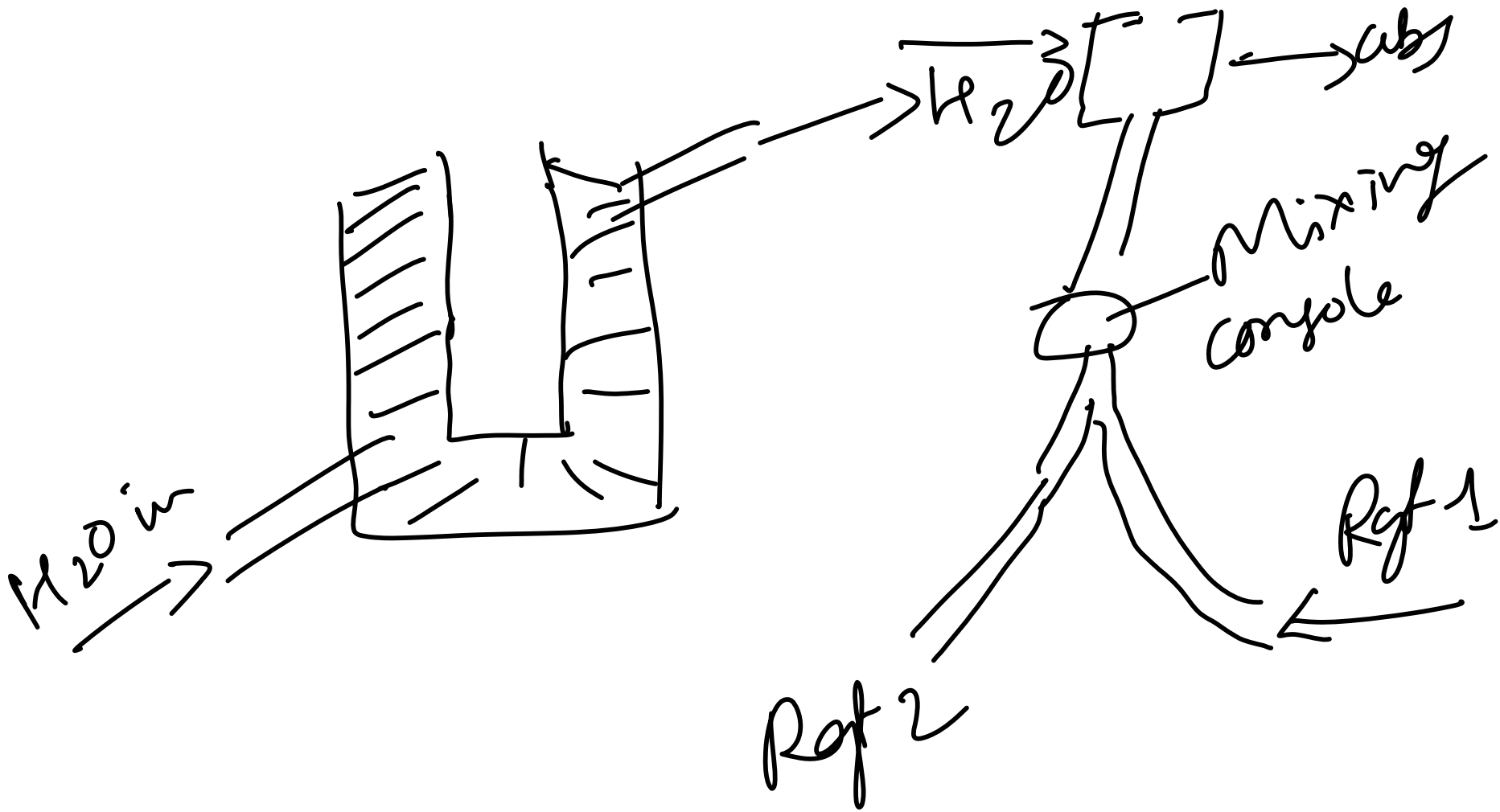


Blue

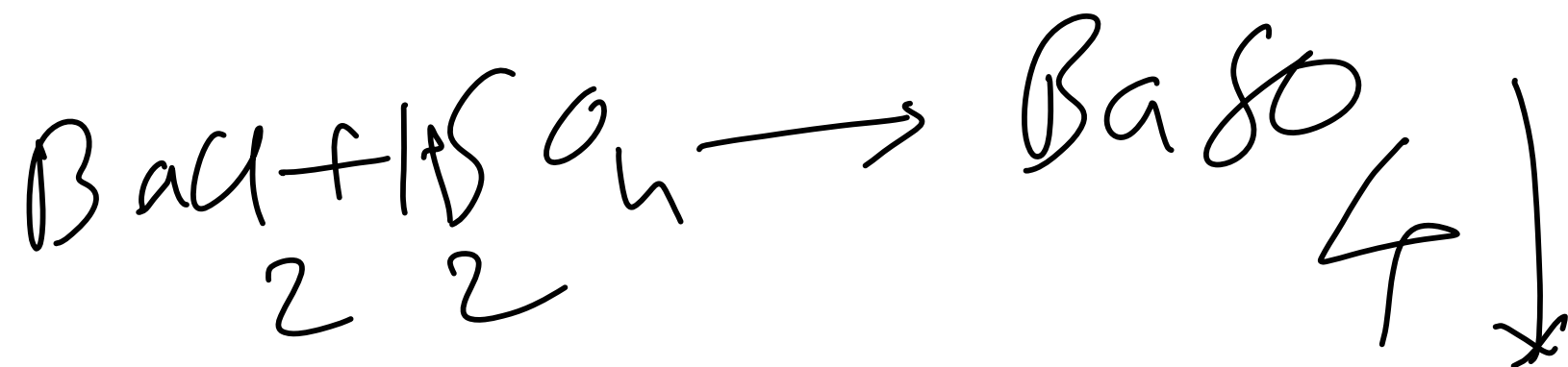
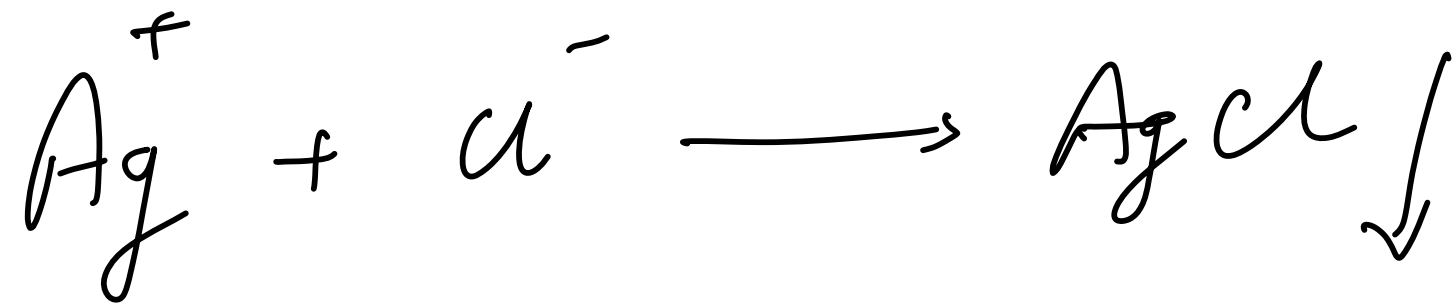


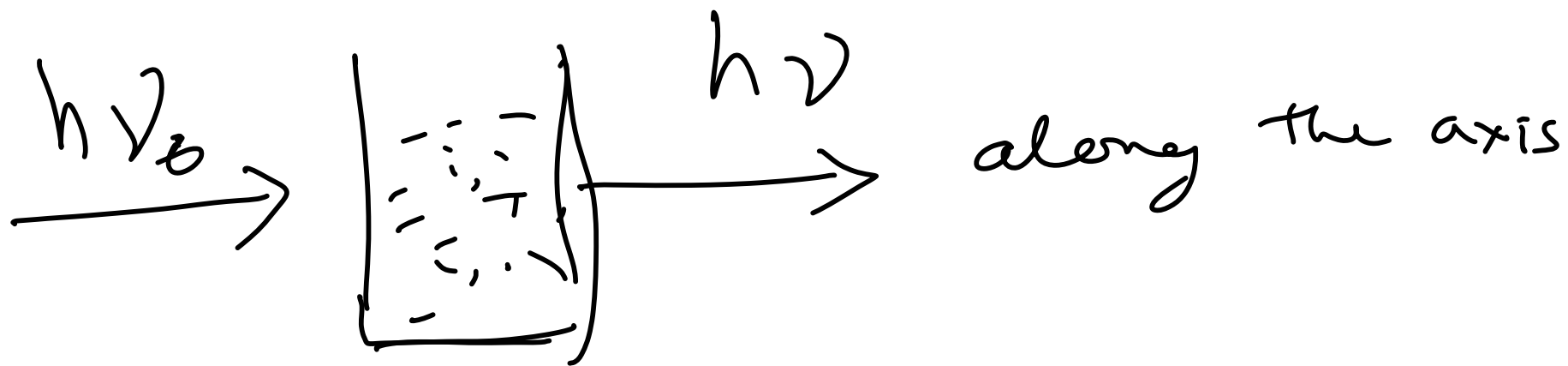
Filters with dyes





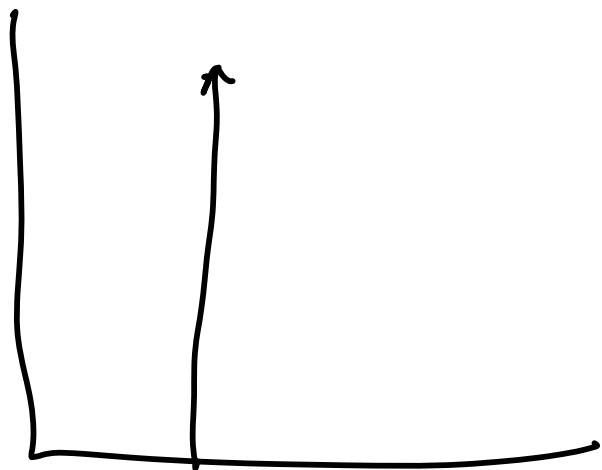




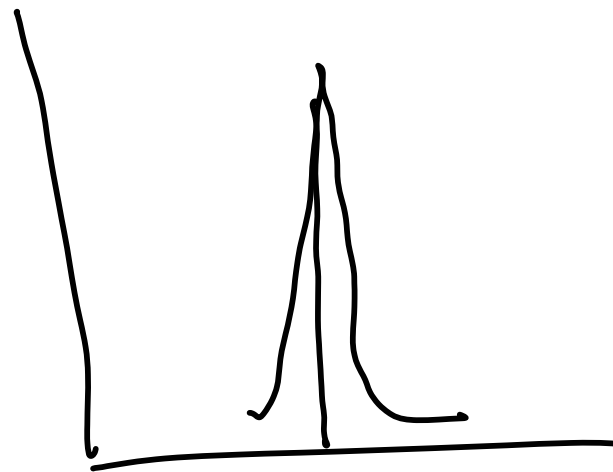


A diagram showing a vertical arrow pointing downwards from the box in the upper diagram. Two horizontal lines are drawn on either side of the vertical arrow, forming a T-shape. Below this T-shape, the text "perpendicular direction" is written in a cursive style.

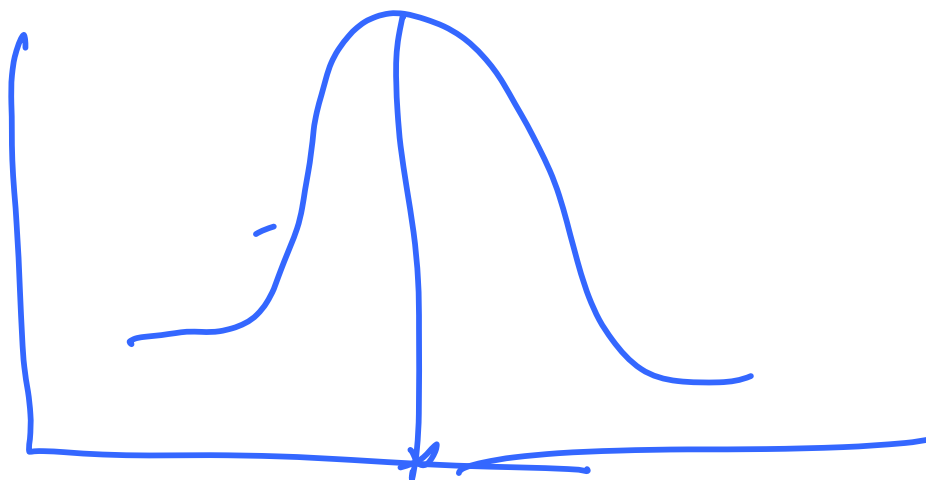
perpendicular direction

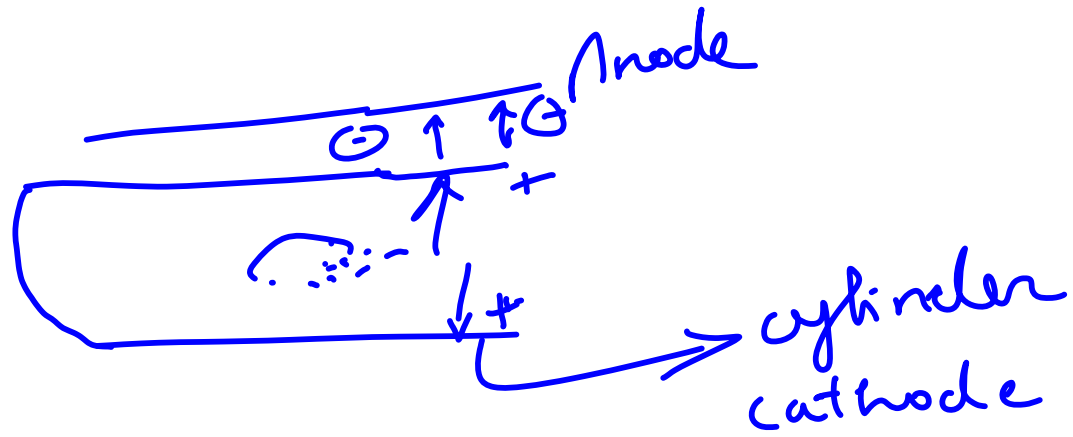


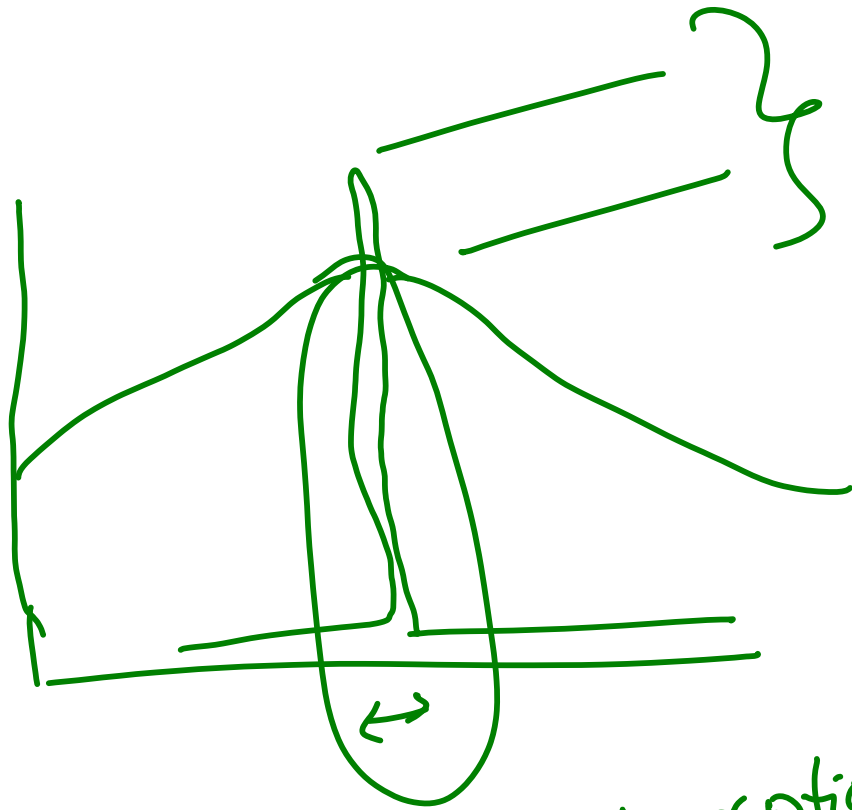
$r$  or  $\lambda$



$x$   
 $m$



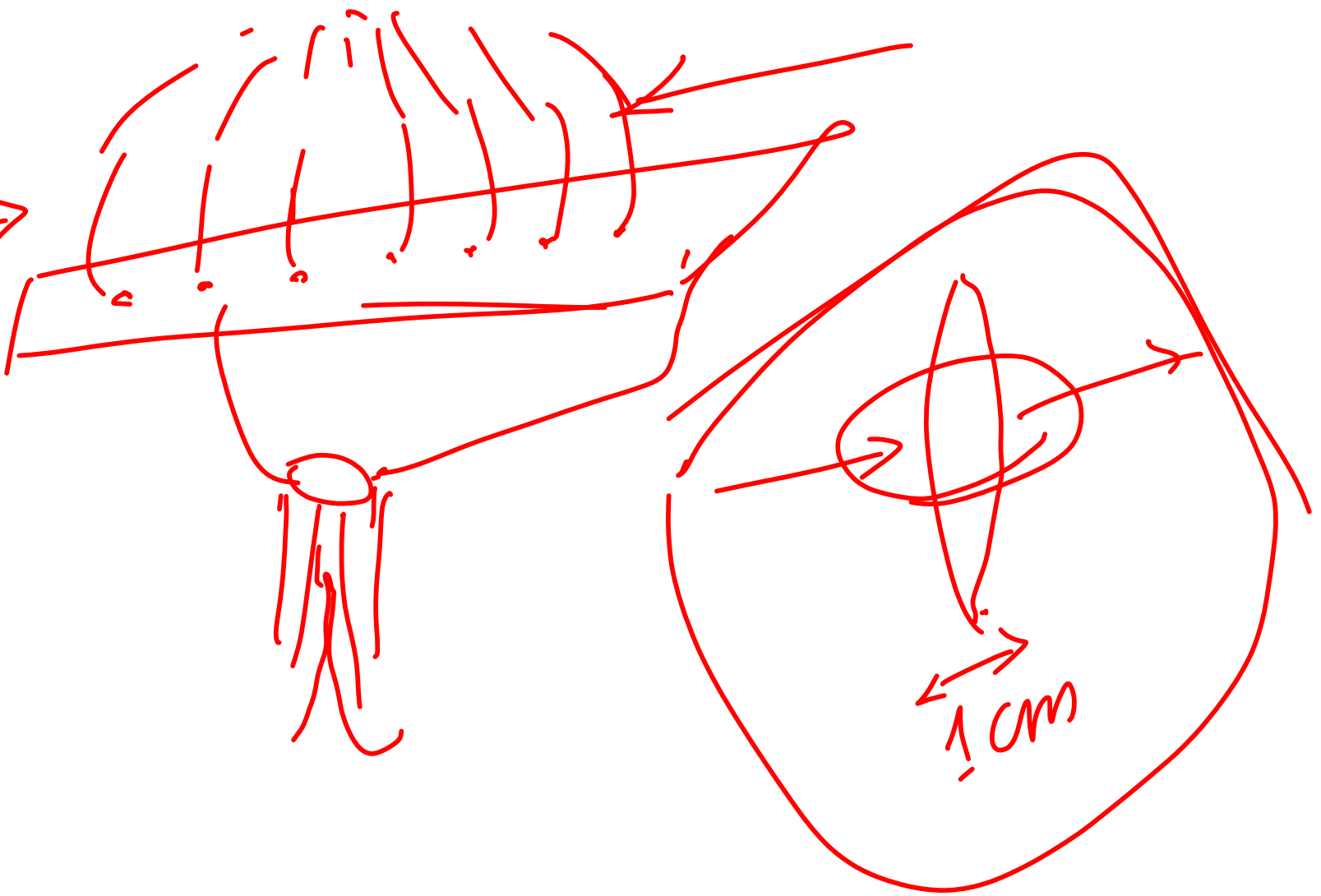


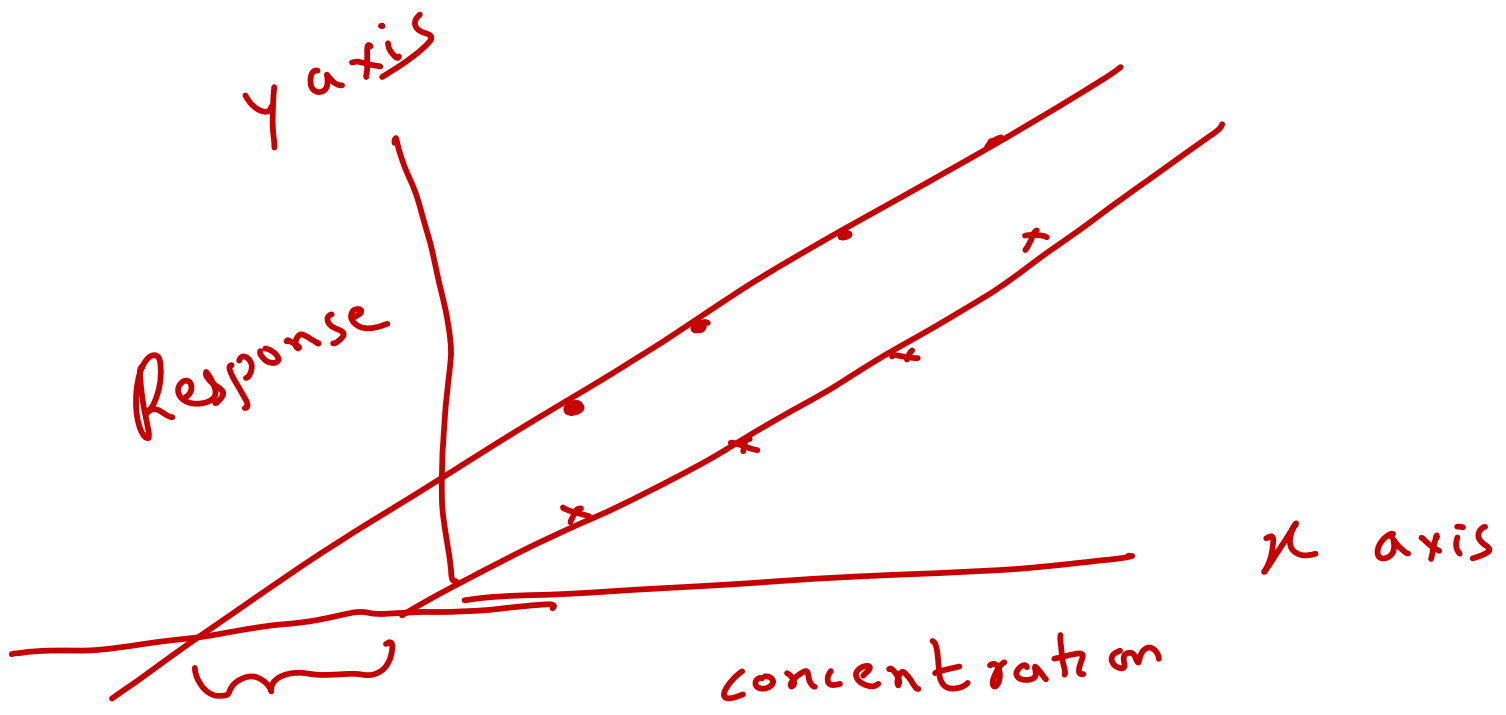


Molecular absorption  
 due to CN, CH, CO, OH bands

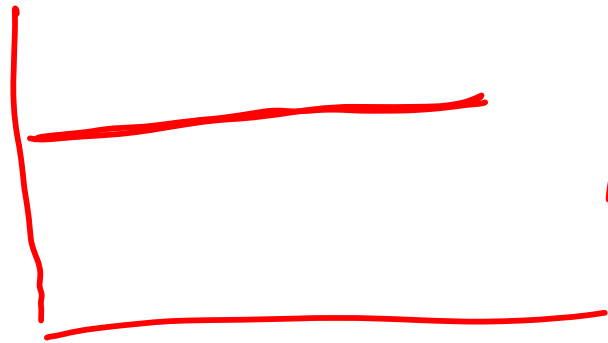


5 cm  
optical  
path





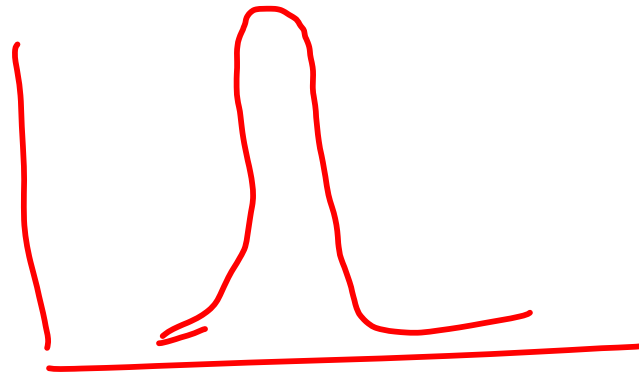
Abs



conc

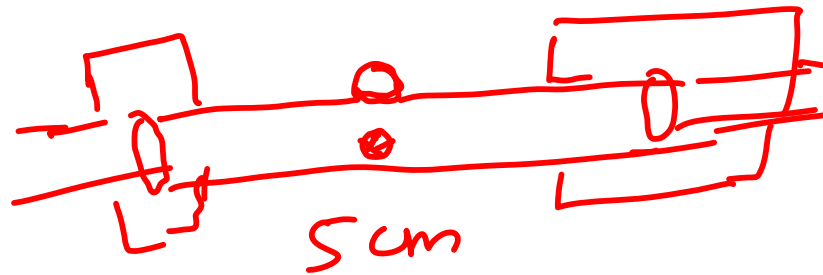
Flame

Abs



conc

Dynamic signal



hole dia  
3.5 mm

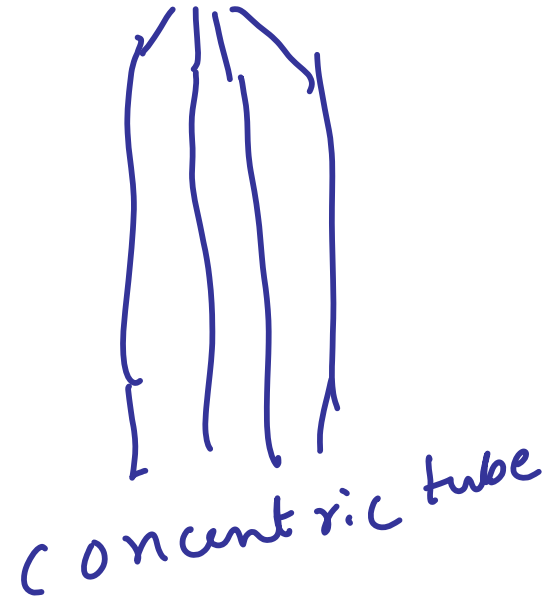
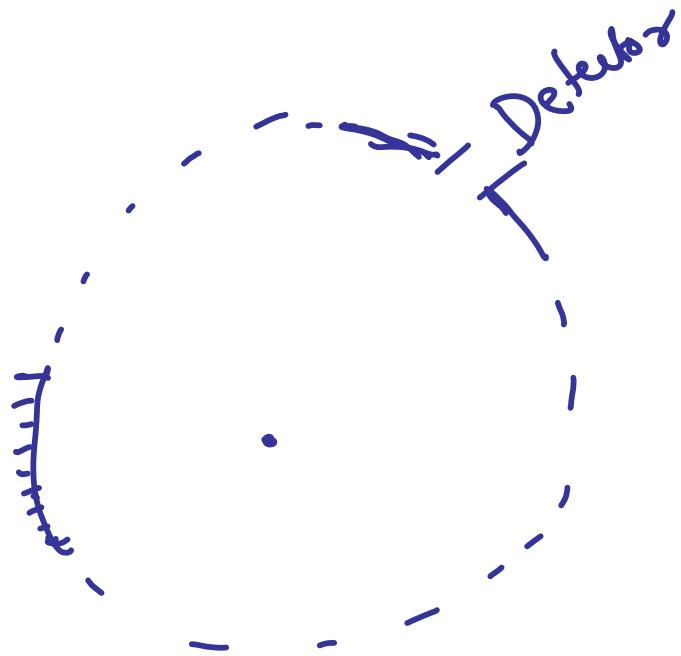
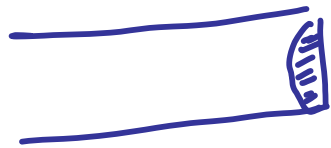
3.5 mm

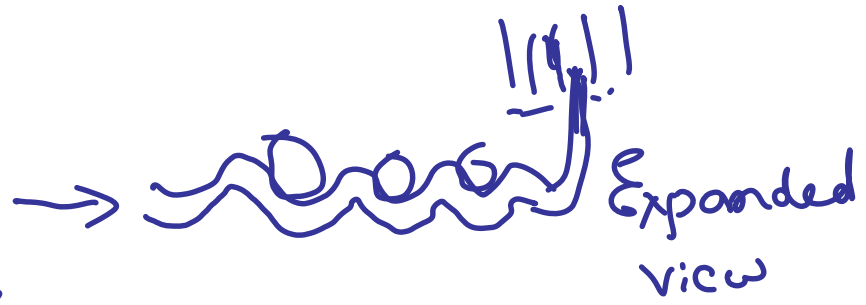
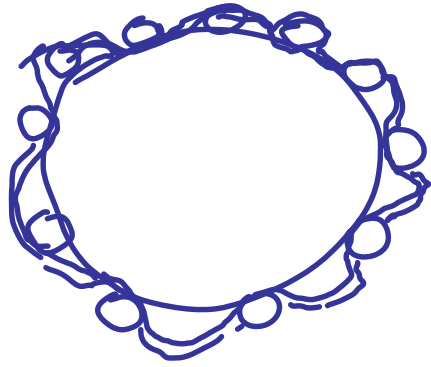
5 cm

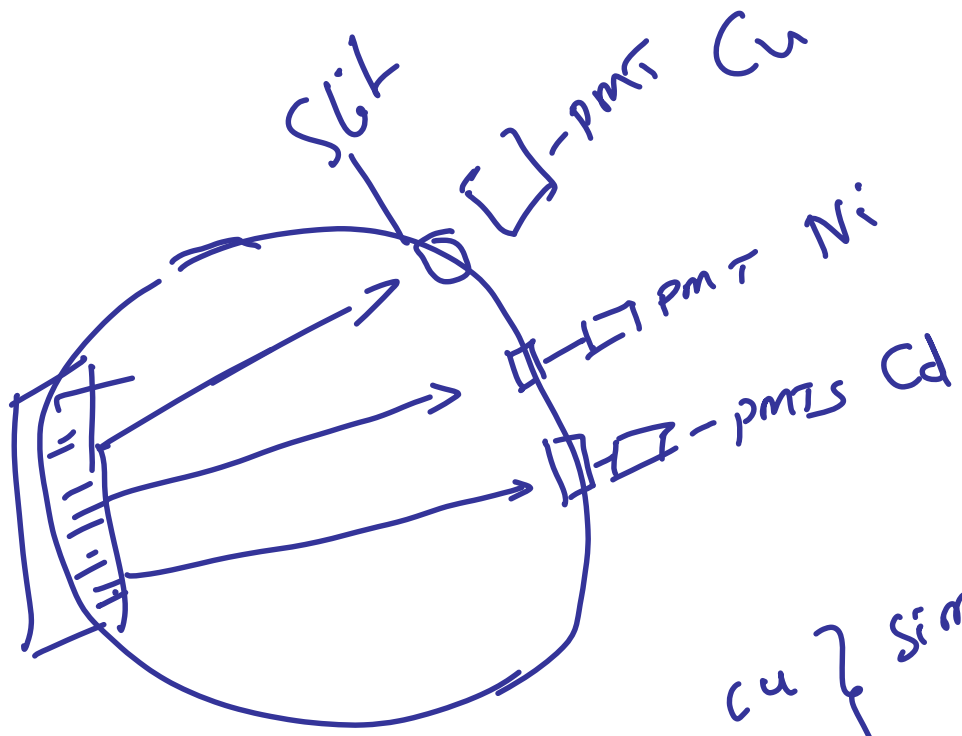




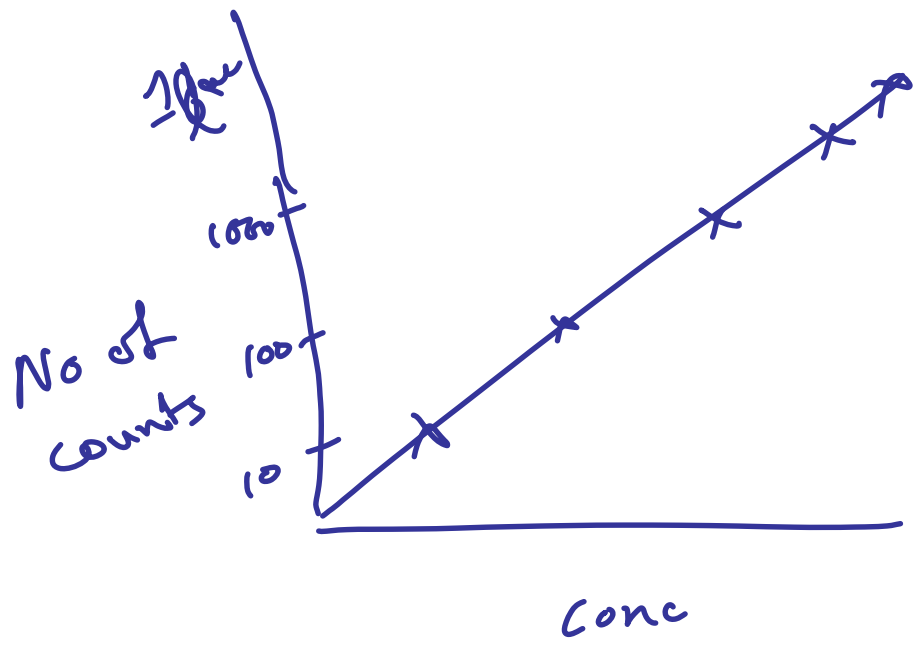
Electrodes

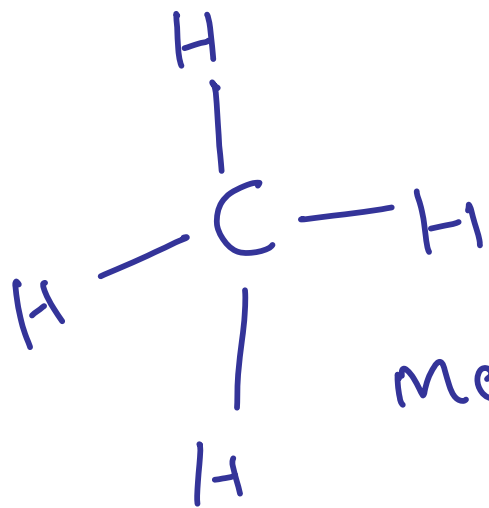






Cu } Simultaneously  
Ni }  
Cd }





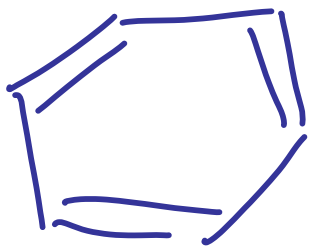
methane

$$3n - 6$$

$$= 9$$

$$36 - 9 = 30$$

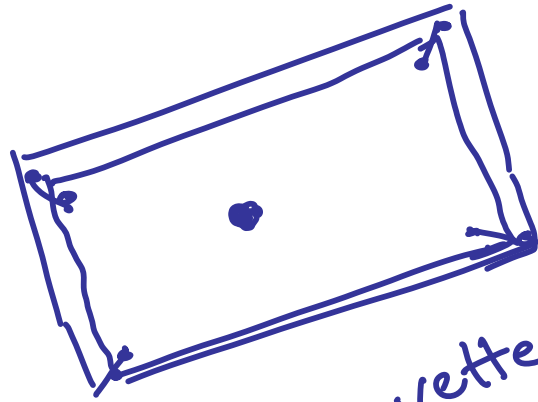
Minimum  
number of  
peaks  
expected



benzene

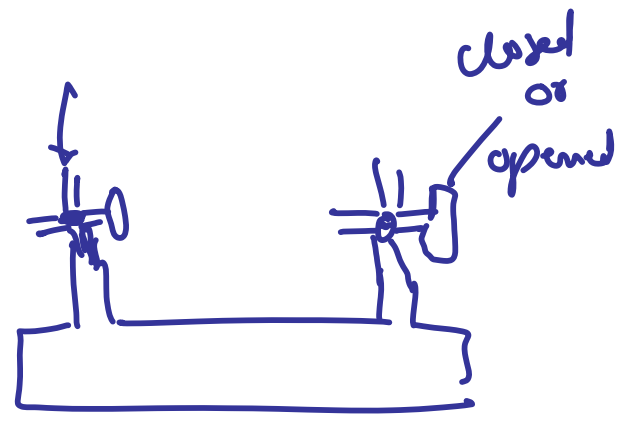
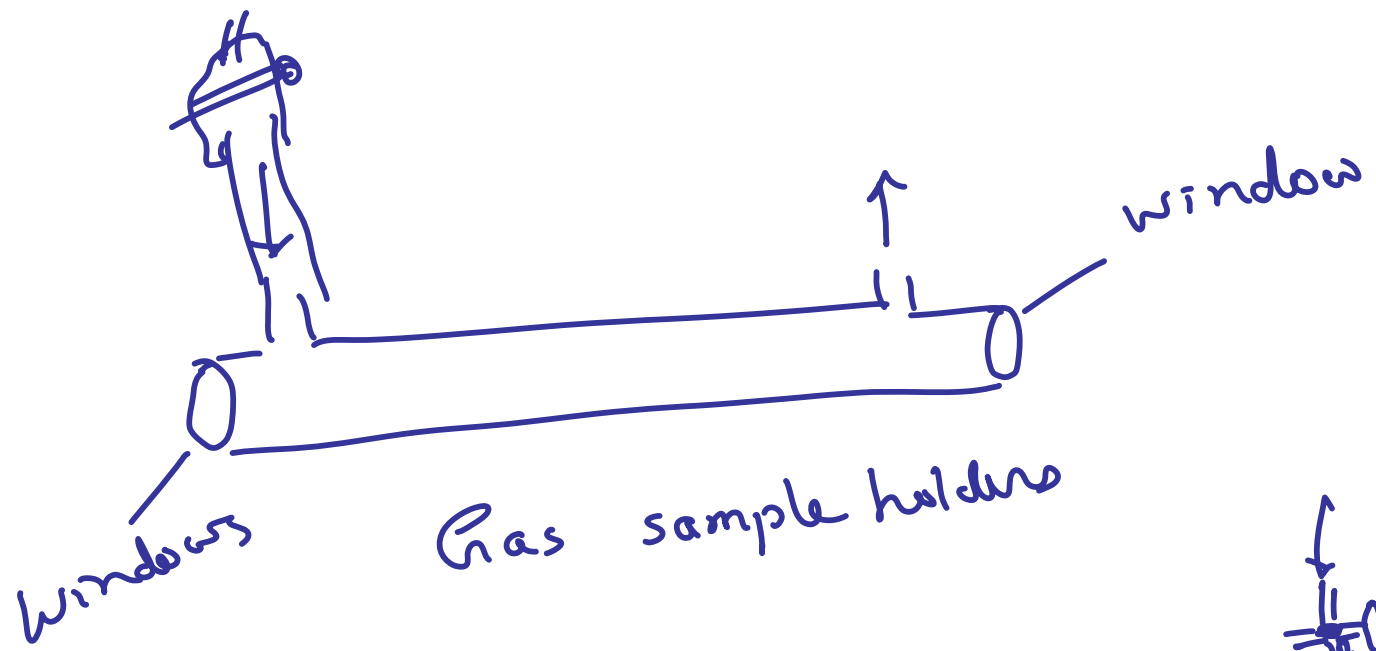
$$\frac{m_x m_y}{m_x + m_y}$$

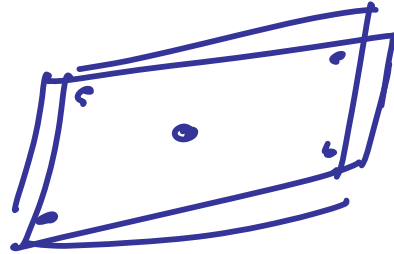
= Reduced mass



Nach wette



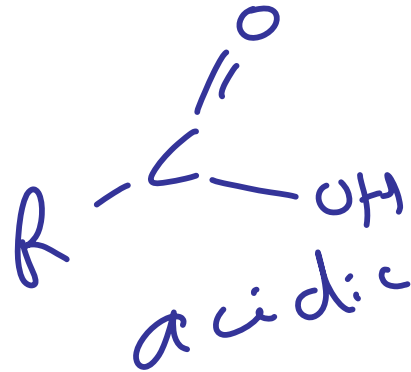
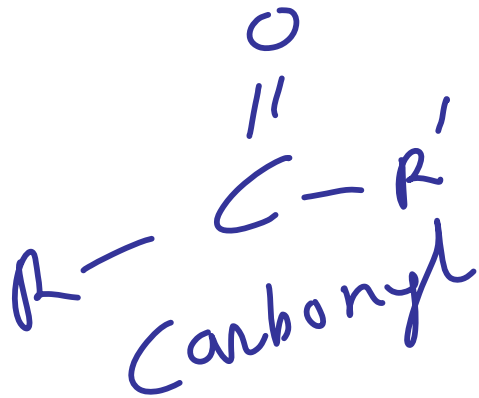
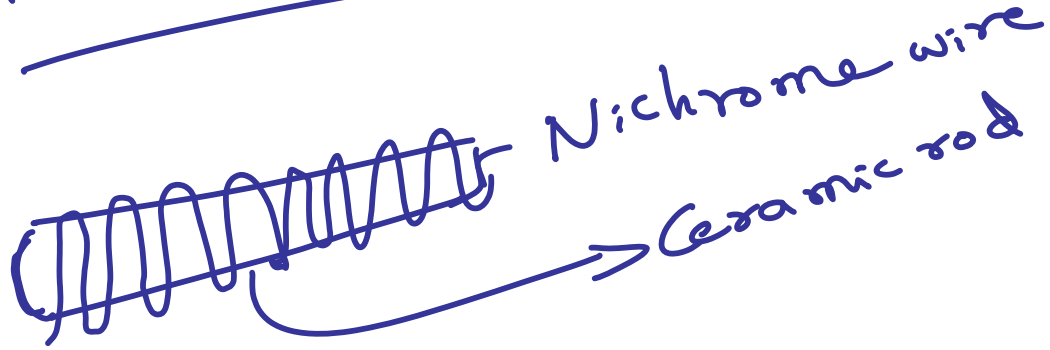


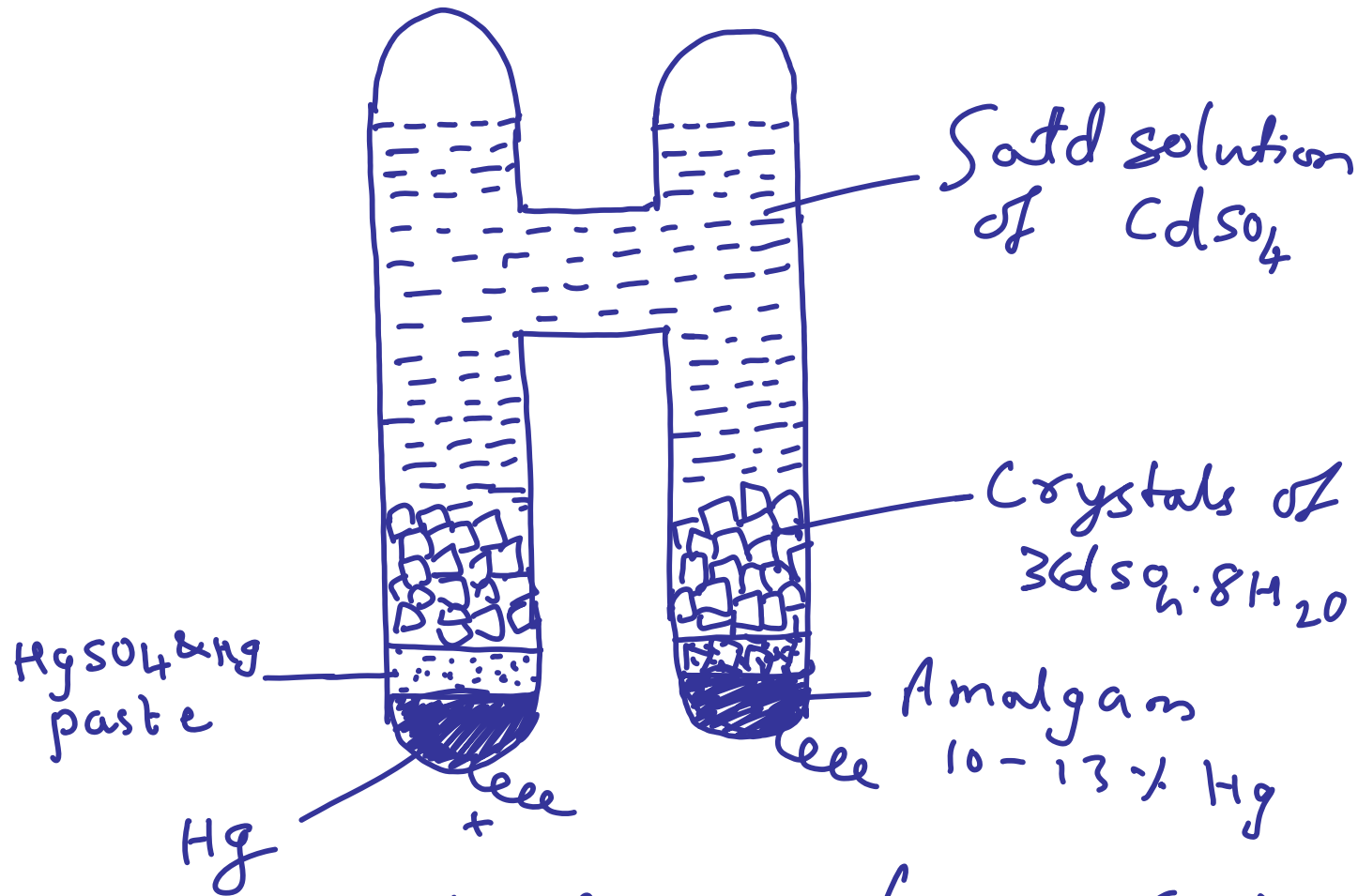


liquid samples

Neat form

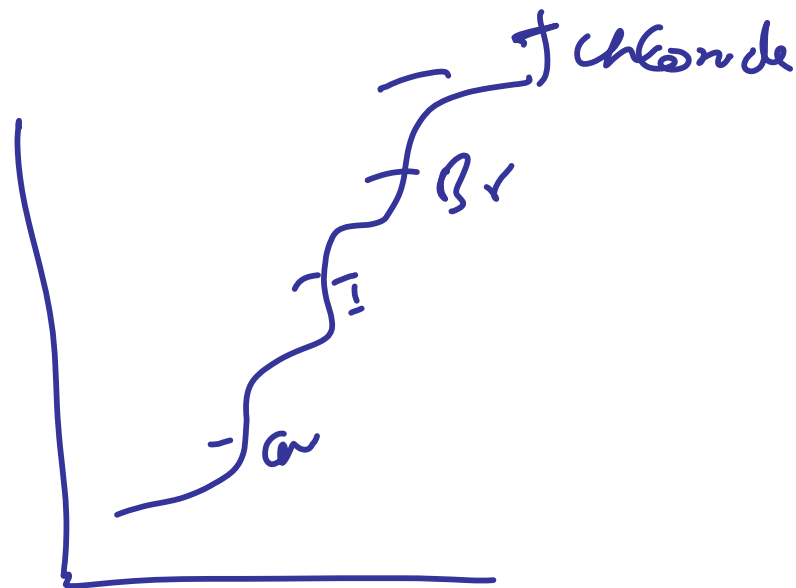
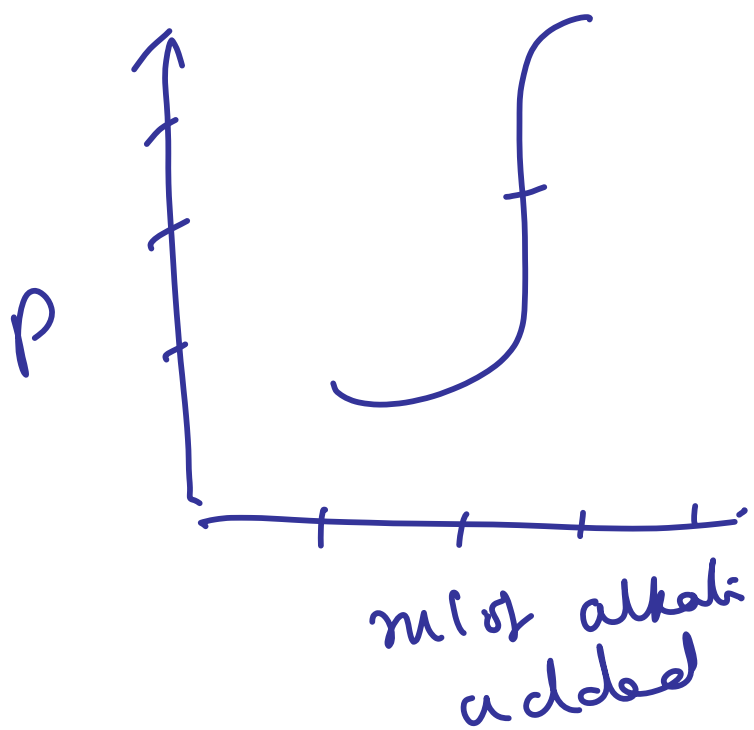
Ni chrome wire source

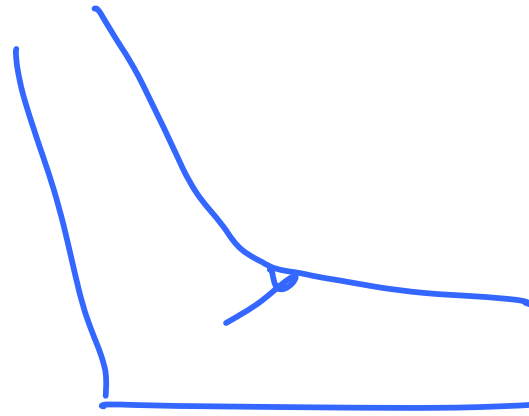
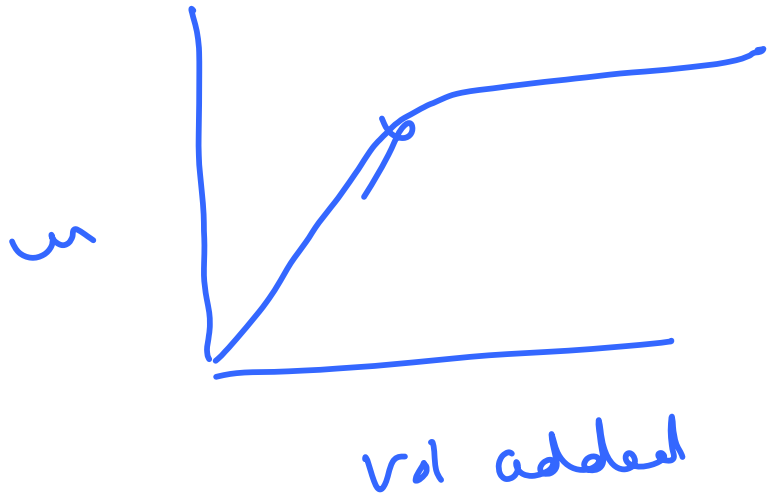


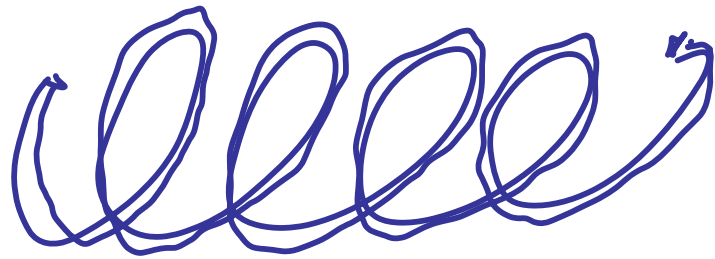


$1.01864 \text{ V}$   
 at  
 $20^\circ \text{C}$

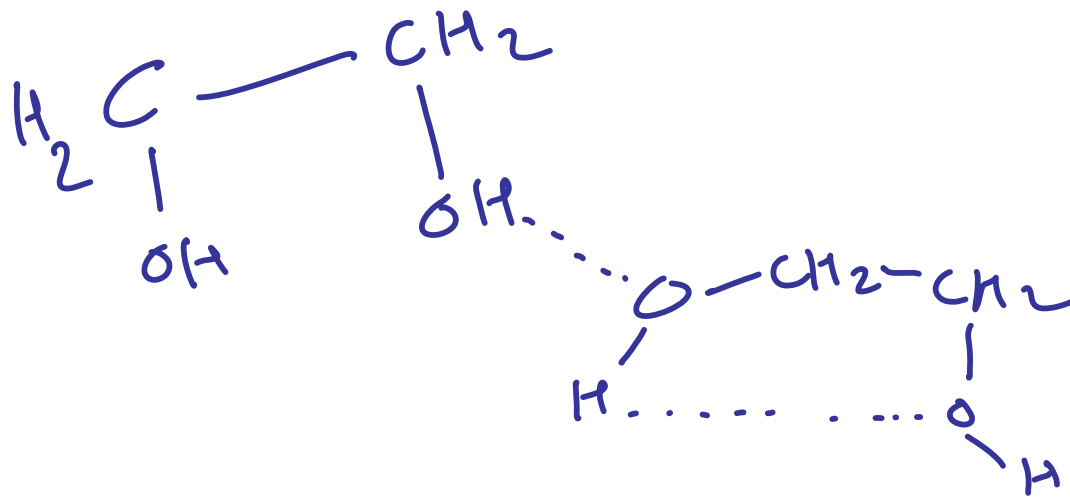
Std Weston Cell







h.c column



Hydrooxygen bond



