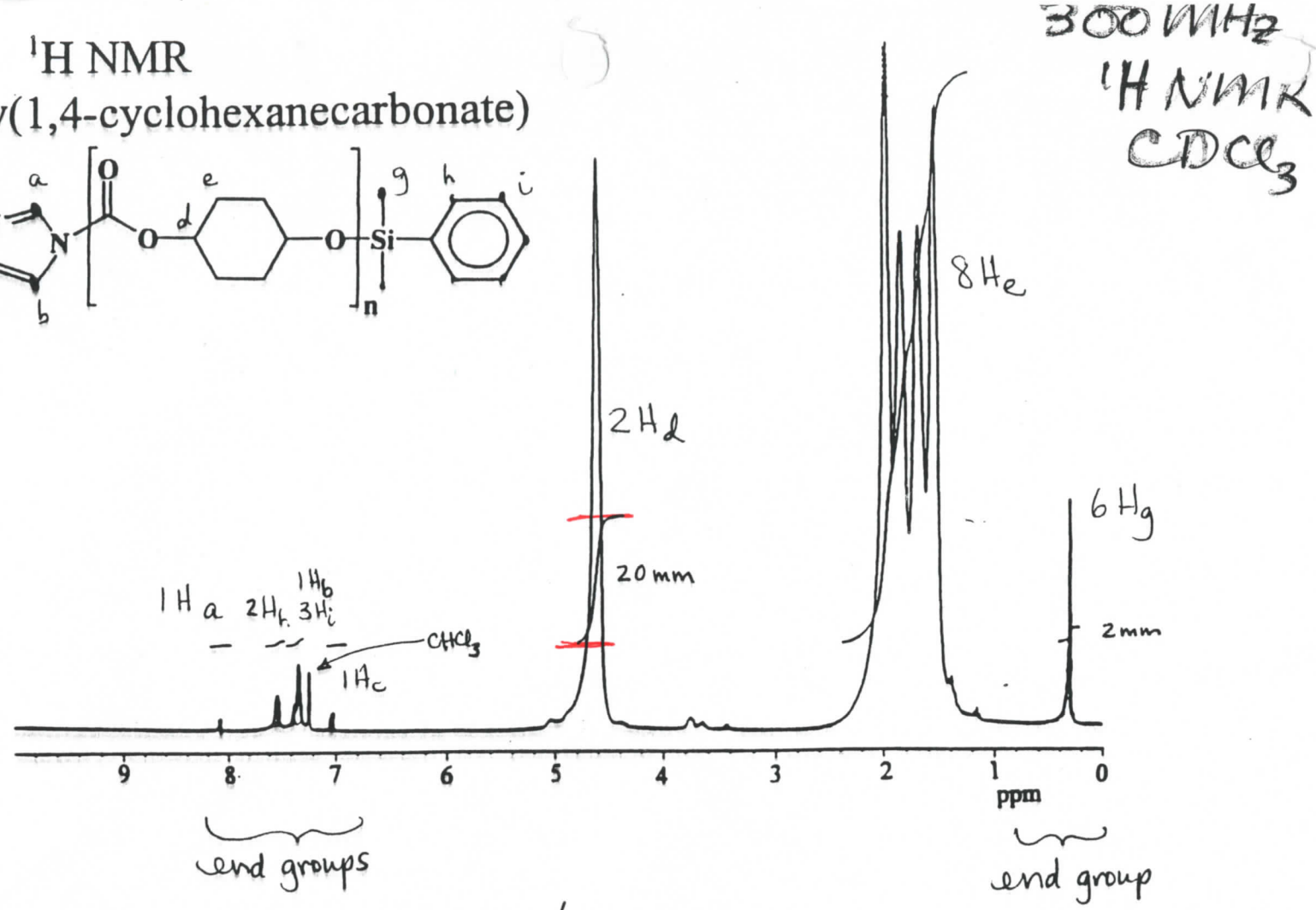
^{1}H NMR

Poly(1,4-cyclohexanecarbonate)



Calculation of M_n from end group analysis:

$6\,H_g = 2$ $\quad$ $2\,H_d = 20$

$H_g = 0.33$ $\quad$ $H_d = 10$

$\Rightarrow$ ratio of $\frac{H_d}{H_g} = DP_n = 30$

$M_n = 30(142) + 67 + 135$

$\Rightarrow M_n = 4500$ Da

Repeat MW = 142 Da ($C_7H_{10}O_3$)

End group MW's = 67 Da ($C_3H_3N_2$) and 135 Da ($C_8H_{11}Si$)