

Course on Mole Concept for Class XI

Nacl M20 Inol mod 1.825/36-5

$$\left[M_{g}^{2+}\right] = 2$$

$$\left[Q^{-}\right] = 4$$

Nace Kal Ingmi

$$\frac{5M}{1} \frac{VLee}{2} = \frac{1.5}{3} \frac{1}{9} \frac{1}{10}$$

$$\frac{1}{1} \frac{1}{10} \frac{1}{10} = \frac{2}{3} \frac{1}{10} \frac{1}{10}$$

$$\frac{2}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10}$$

$$\frac{2}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10}$$

$$\frac{5}{10} \frac{1}{10} \frac{1}{10$$

5 mil hrea A 500 ml Sol Confairs 3 m wels 1500 gm Sol n 20 × 104 $\frac{1}{2} = \frac{3}{15} \times 100 = 20$ X100 = 30 3 ~ ~ 7. W/ Jm/Lit = 300)

$$m = \frac{5}{|260|} \times |020| = \frac{50}{|2}$$

$$\frac{5}{|260|} = \frac{45}{|45|} = \frac{3}{|43|}$$

$$\frac{5}{|8|} = \frac{120}{|8|} = \frac{3}{|43|}$$

d=1.5gm/ml # 2 m 5 mal Vrea 1000 gm solvent contains & mol was 1000 gm Solvet 3 w gm wag 1000 gm Wsofh = 1300 gm Vsom = 13~ 1.5

find molality (m) of XM Solute (having Miman = Mi) and M. man of Solvey = M2. Given density of soft $= \frac{d}{gm/ml}$ Woul solution contains a mol solute lovox et gm som - D 2KM, wydrut = 1000d-xm,

M =

 $\frac{\chi}{|\omega v + \chi M|} \times |\omega v \rangle$ a dilute agretour sol m= Molarity

Molarity of (pure) water: let we have - 1000 gm H20(e) mond Hzold) 1500 mal

find Molarity of pure CM3CODM (e). Given density = 0.8 gm/ml let me have how of Chron (1) 200 gm = 4% mod $M = \frac{40/3}{1}$ M = 40/3 8 800 - 50/3.

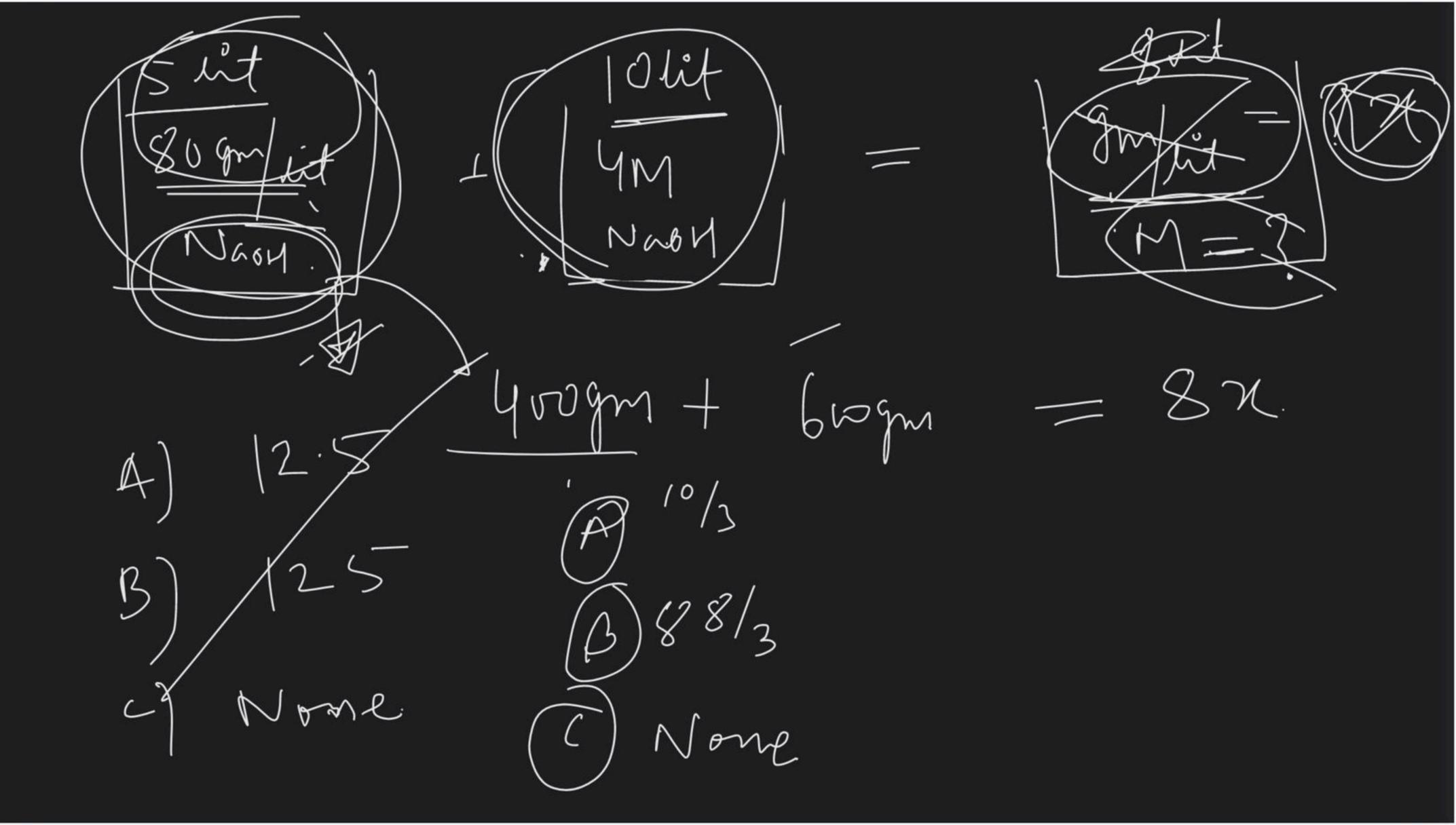
Problems Related with mixing of soft If there is no RXN after mixing

12M NaoH

5 id

+ 10 Lit

- M=10 70 $\eta_1 + \eta_2 = \eta_3$ $M_1V_1 + M_2V_2 = M_f(V_1+V_2)$



10 moly + yound - M x 15 10/2 = M

400ght 1600gm - 20 X 15

5 kg 10/29 P PM = ? ywppm 2wtpM 320 Cer Uz Cer (62 M-7-3 20% W/ N GOM 30/1 W/W LIE = 1/W (d=1.9 com/u)

10 69 0 6 0

2320 gm sol (540 gm solution) M = ?of 2m Naol of 4m Nach [Notogm satest 4 mod mo of solved -2 mol 3.6 m (80 gm N COM WW = 1160 gm TX59/7-1080 1 3 20m - 40gm 540 gm W120=500 m

8-25 5-1 18-28 90 = 18/5 - 3.6