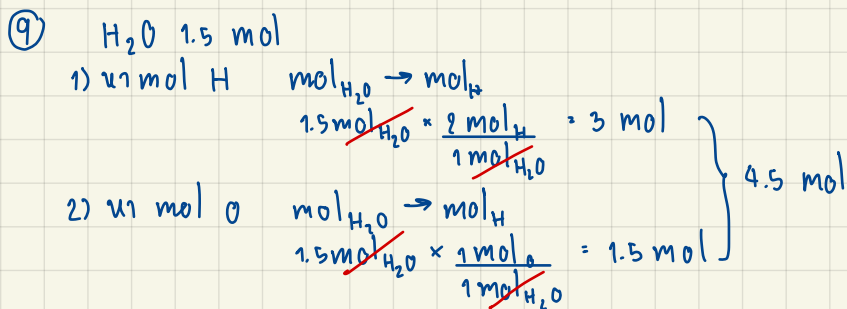
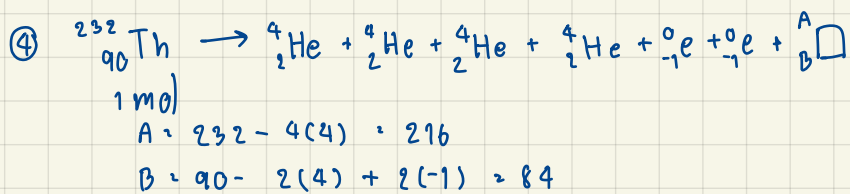




⑧ มวลอะตอมเฉลี่ย A: $\frac{\sum (\% \text{ isotope} \times A_{\text{isotope}})}{100}$
 $= \frac{(80 \times 19.995) + (20 \times 20.005)}{100}$
 $= 19.997$

⑩ NaOH 40 g ละลายน้ำ 200 cm^3 $\rho_{\text{NaOH}} = 2 \text{ g/cm}^3$

1) นว NaOH นว cm^3 $g_{\text{NaOH}} \rightarrow \text{cm}^3_{\text{NaOH}}$
 $40 \text{ g}_{\text{NaOH}} \times \frac{1 \text{ cm}^3_{\text{NaOH}}}{2 \text{ g}_{\text{NaOH}}} = 20 \text{ cm}^3_{\text{NaOH}}$
 $\therefore$ จะใส่สารละลายปริมาตร $200 + 20 = 220 \text{ cm}^3$
 $= 0.22 \text{ dm}^3$

2) นว mol_{NaOH} $g_{\text{NaOH}} \rightarrow \text{mol}_{\text{NaOH}}$
 $40 \text{ g}_{\text{NaOH}} \rightarrow \frac{1 \text{ mol}_{\text{NaOH}}}{40 \text{ g}_{\text{NaOH}}}$

3) นว คย. สล. $\frac{1 \text{ mol}}{0.22 \text{ dm}^3} = 0.45 \text{ mol/dm}^3$

⑮ จากกฎของชาร์ล $\frac{V_1}{T_1} = \frac{V_2}{T_2}$
 $\frac{45}{45+273} = \frac{V_2}{0+273}$
 $V_2 = 68.25 \text{ cm}^3$