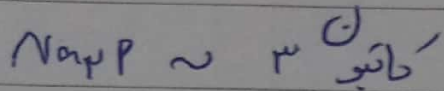
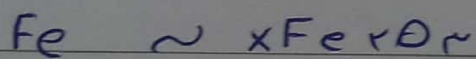
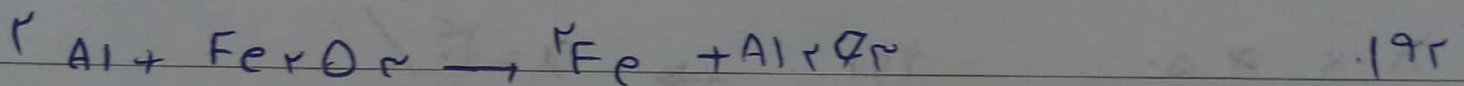


191

$$\frac{1,195}{2 \times 32} = \frac{\text{atom H}}{2 \times N_A} \rightarrow \frac{N_A}{1}$$

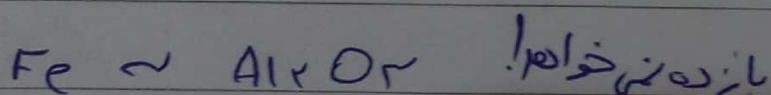


$$\frac{297}{1 \times 100} = \frac{\frac{N_A}{1}}{3 \times N_A} \rightarrow x = 2,100 \quad \checkmark$$

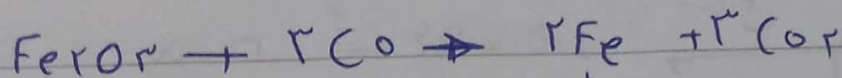


مقدار

$$\frac{1,1 \text{ ton}}{2 \times 24} = \frac{1 \times 100 \times x}{3 \times 100 \times 160} \rightarrow x = 2,0 \text{ ton } Fe_2O_3$$



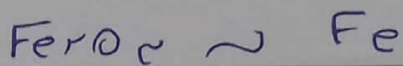
$$\frac{1,1}{2 \times 24} = \frac{x}{1 \times 100} \rightarrow x = 2,25 \quad \checkmark$$



1 ton
في كل يوم

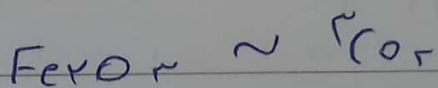
↓
? kg

وزن → 4.5

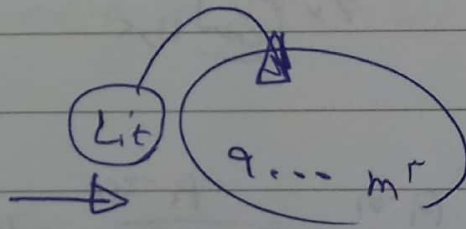


$$\frac{4.5 \times 56 \times 2}{100 \times 100 \times 160} = \frac{x \text{ kg}}{2 \times 100}$$

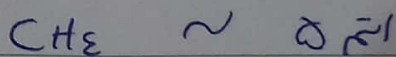
$$x = 2.5$$



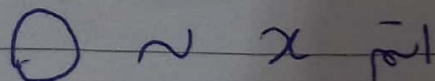
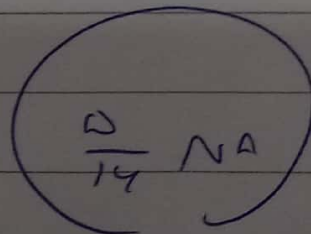
$$\frac{4.5 \times 56 \times 2}{100 \times 100 \times 160} = \frac{3 \times 44 \times x}{2 \times 100}$$



3.5



$$\frac{1}{14} = \frac{x}{2 \times NA}$$



$$\frac{4.5 \times 10}{m} = \frac{\frac{1}{14} \times NA}{NA \times NA} \rightarrow 1.07m = x$$

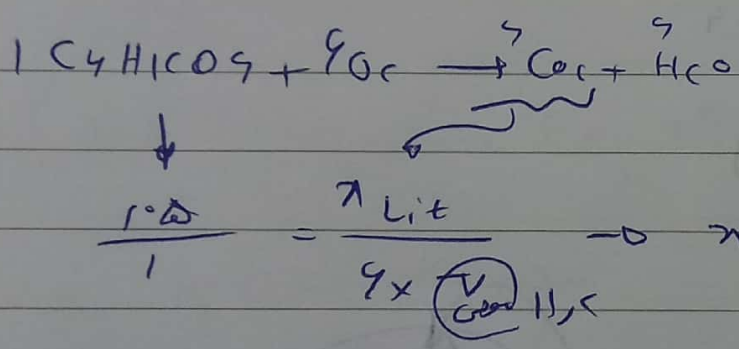
اقدار اعتراف

$1.0 \text{ m} \leq \lambda$

جواب صحیح

- $1.0 \times 88 = ? \approx X$
- $1.8 \times 89 = ? \approx X$
- $1.0 \times 77 = ? = 0 \quad X$
- $1.0 \times 11.0 = ? = 8 \quad \checkmark$

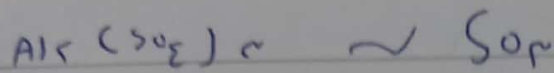
195



دو سوالات

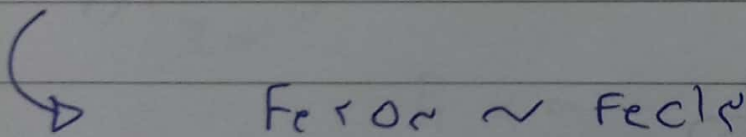
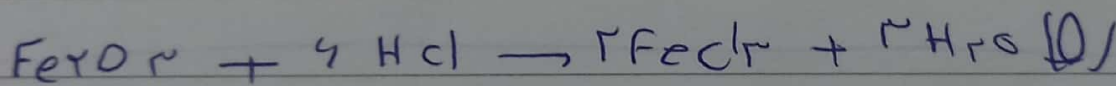
$$\frac{P_1 V_1}{T_1} = \frac{P_2 V_2}{T_2} \rightarrow \frac{1 \times 20 \text{ Lit}}{273} = \frac{2 \times V_2}{273}$$

$V_2 = 11.1 \text{ Lit}$



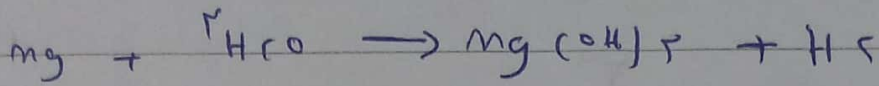
$$\frac{R \times 10}{1 \times 1} = \frac{r \times 16}{r \times 1}$$

$$R = 16$$



$$\frac{P \times 7}{1 \times 14} = \frac{16 \times 7}{r}$$

$$P = 16$$



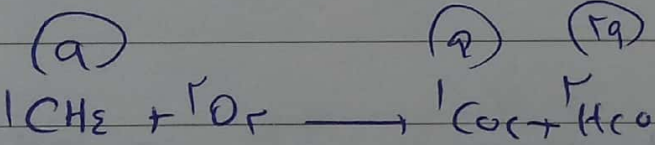
191

$$mg \sim Hr$$

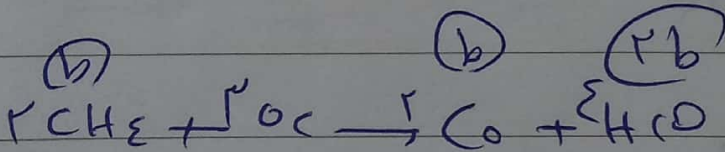
$$\frac{211}{1 \times 53} = \frac{\sqrt{LiEAC}}{\cancel{211} \cdot 291M} \Rightarrow v = 2,17V$$

$$\frac{P_1 V_1}{T_1} = \frac{P_2 V_2}{T_2}$$

$$\frac{1 \times 273 \text{ K}}{273 \text{ K}} = \frac{1 \times v}{273 \text{ K} + 273 \text{ K}} \rightarrow v = 2,73 \text{ K}$$



199

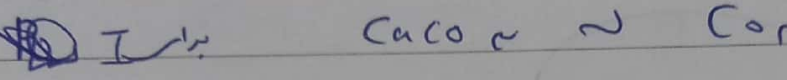
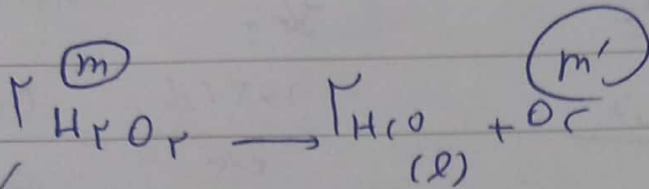
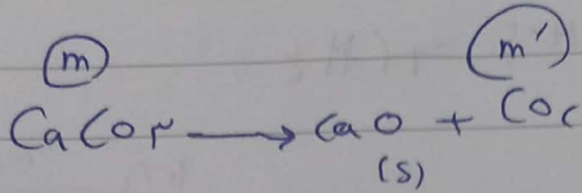


اذا كان $a, b \rightarrow a + ra + b + rb \rightarrow ra + rb$

اذا كان $a \rightarrow \frac{a}{a+b} = \frac{a}{a+b} \rightarrow a = \frac{a}{a+b} \cdot (a+b)$

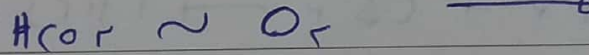
$\frac{a}{a+b} = \frac{ra}{ra+rb} = \frac{r \cdot a}{r \cdot (a+b)}$

r/l 100



$$\frac{P_1 \times m}{100 \times 100} = \frac{m'}{88}$$

~~II~~



$$\frac{P_2 \times m}{100 \times 100} = \frac{m'}{32}$$

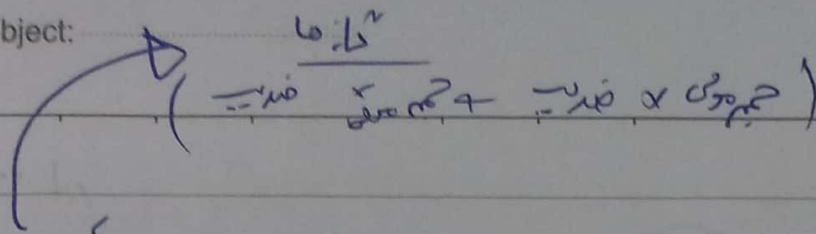
$$\frac{P_2}{P_1} = \dots$$

$$\frac{P_2 \times m}{100 \times 100} = \frac{m'}{32}$$

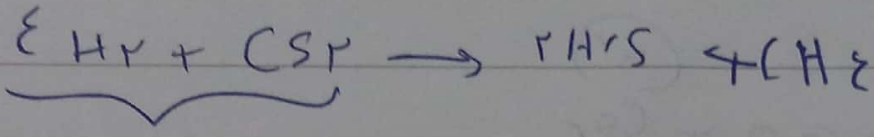
$$\frac{P_1 \times m}{100 \times 100} = \frac{m'}{88}$$

$$\frac{P_2 \times 100}{P_1 \times 100} = \frac{32}{88}$$

→



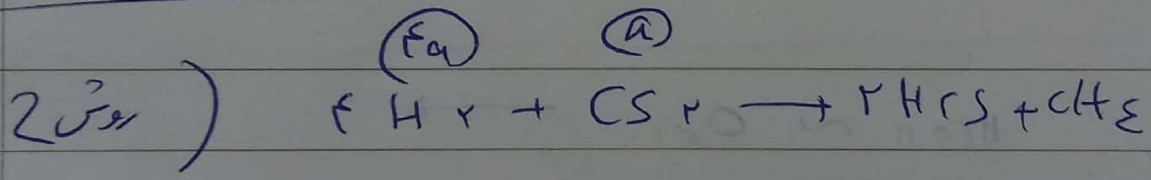
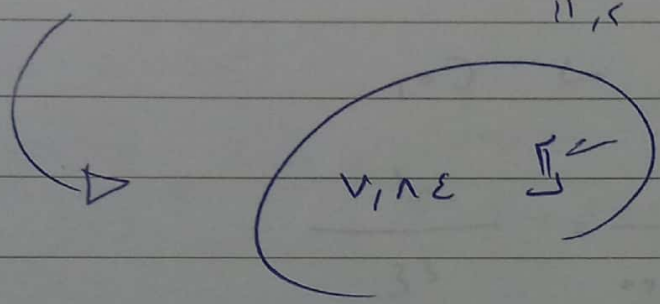
J 1/1



$\text{a; b} =$

$\frac{\text{V}_{\text{H}_2, \text{E Lit}}}{\text{O} \times \text{r}_{\text{H}_2, \text{E}}} = \frac{\text{Lit}}{\text{1} \times \text{---}}$

$\frac{\text{r}_{\text{H}_2, \text{E}}}{\text{r}_{\text{H}_2, \text{E}}} = \frac{\text{r}_{\text{H}_2, \text{E}}}{\text{r}_{\text{H}_2, \text{E}}}$
 $\rightarrow \text{V} = 11,5$

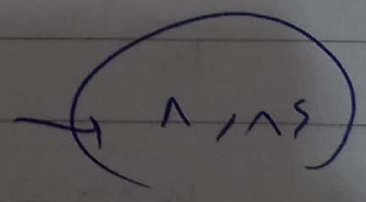


$\text{r}_a * \text{r}_{\text{H}_2, \text{E}} + \text{a} \times \text{r}_{\text{CS}_2, \text{E}} = \text{V}_{\text{H}_2, \text{E}}$

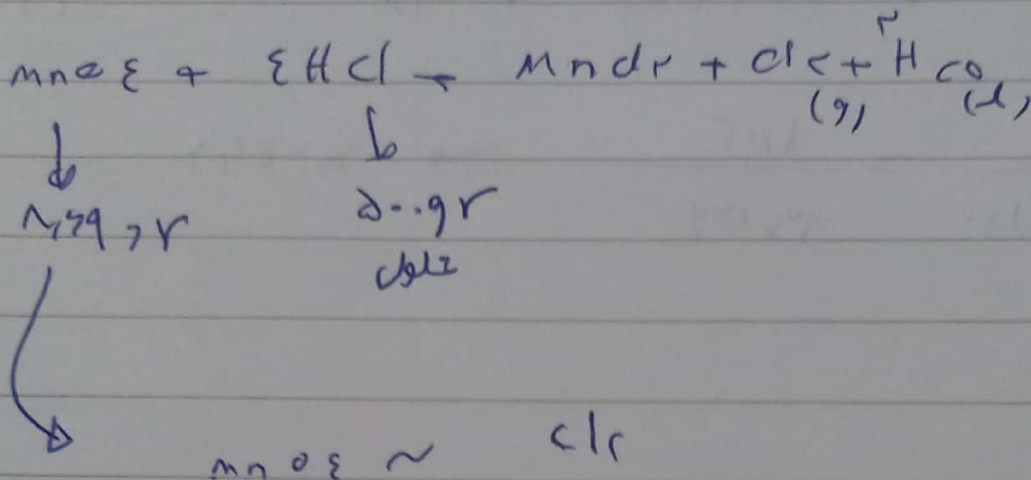
$\Delta \text{a} \times \text{r}_{\text{CS}_2, \text{E}} = \text{V}_{\text{H}_2, \text{E}}$

$\text{a} = \text{---}$

$\frac{\text{CS}_2}{\text{V}} = \frac{\text{CH}_2}{\text{Lit}}$
 $\frac{\text{V}}{\text{1}} = \frac{\text{Lit}}{\text{1} \times \text{---}}$

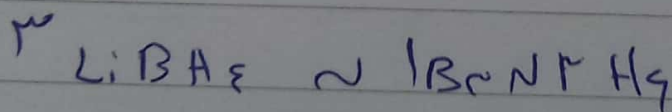
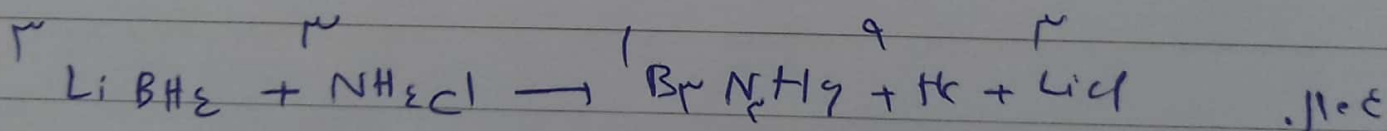


اصول / 1.5

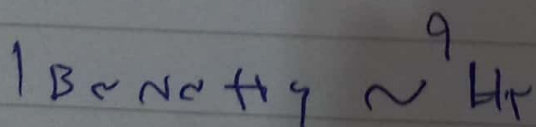


$$\frac{1.74}{1 \times 149.9} = \frac{9x}{v_1} \rightarrow \frac{9x}{\text{Cl}_2} = \frac{v_1}{1}$$

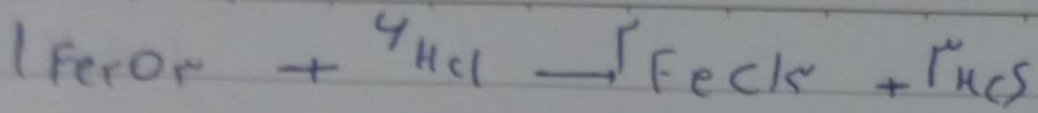
$$2.9 + 1.74 - v_1 = 0.189$$



$$\frac{R \times 0.10}{m \times 1.0 \times 12} = \frac{1.19}{1 \times 11} \rightarrow R = v_1 / 1$$



$$\frac{1.19}{1 \times 11} = \frac{1.9 \times v_1}{9 \times 2} \Rightarrow v_1 = 1.1 \text{ Lit}$$



11.2

$$\frac{\Delta m}{1.2 \times 100} = \frac{1.1}{2 \times 3} \rightarrow x = 3.17$$