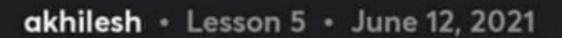


Course on Mole Concept for Class XI



3~2 + U2 -> 2 Brcl 0.025 0.025 0.025 0.025

10.005

 $0.025 \times 2 \times \frac{4}{5} = 0.64$

5 9 9 M



0.5 (02

0.5 < 03

0.5

1.5×40

= 2 0 gm

10/6

Compound 5 molecule Yatom X gm 5 X MC. My My X gm +

32gm 6 gm gm

132 gm 3 ma

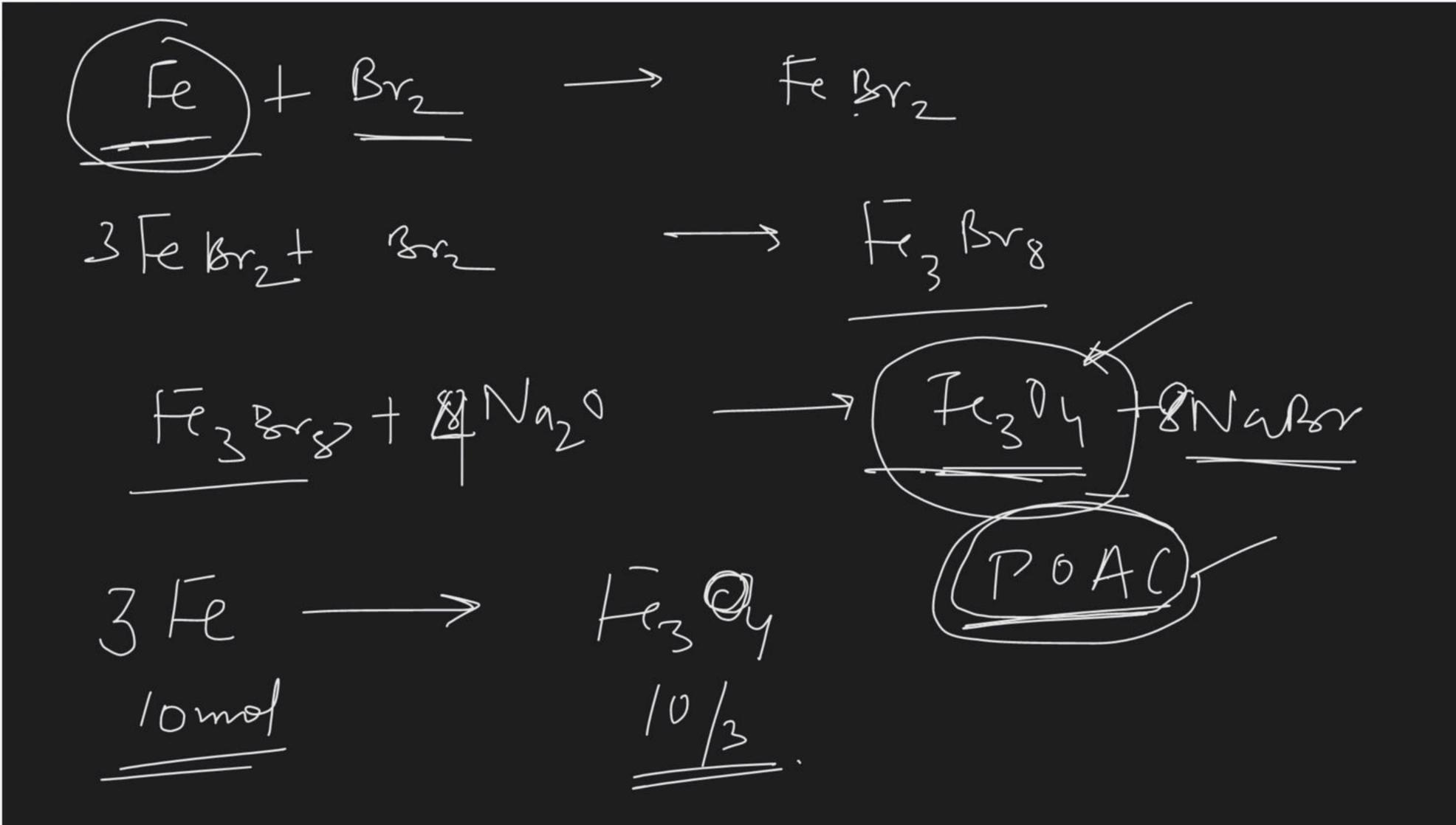
hos 320 gm

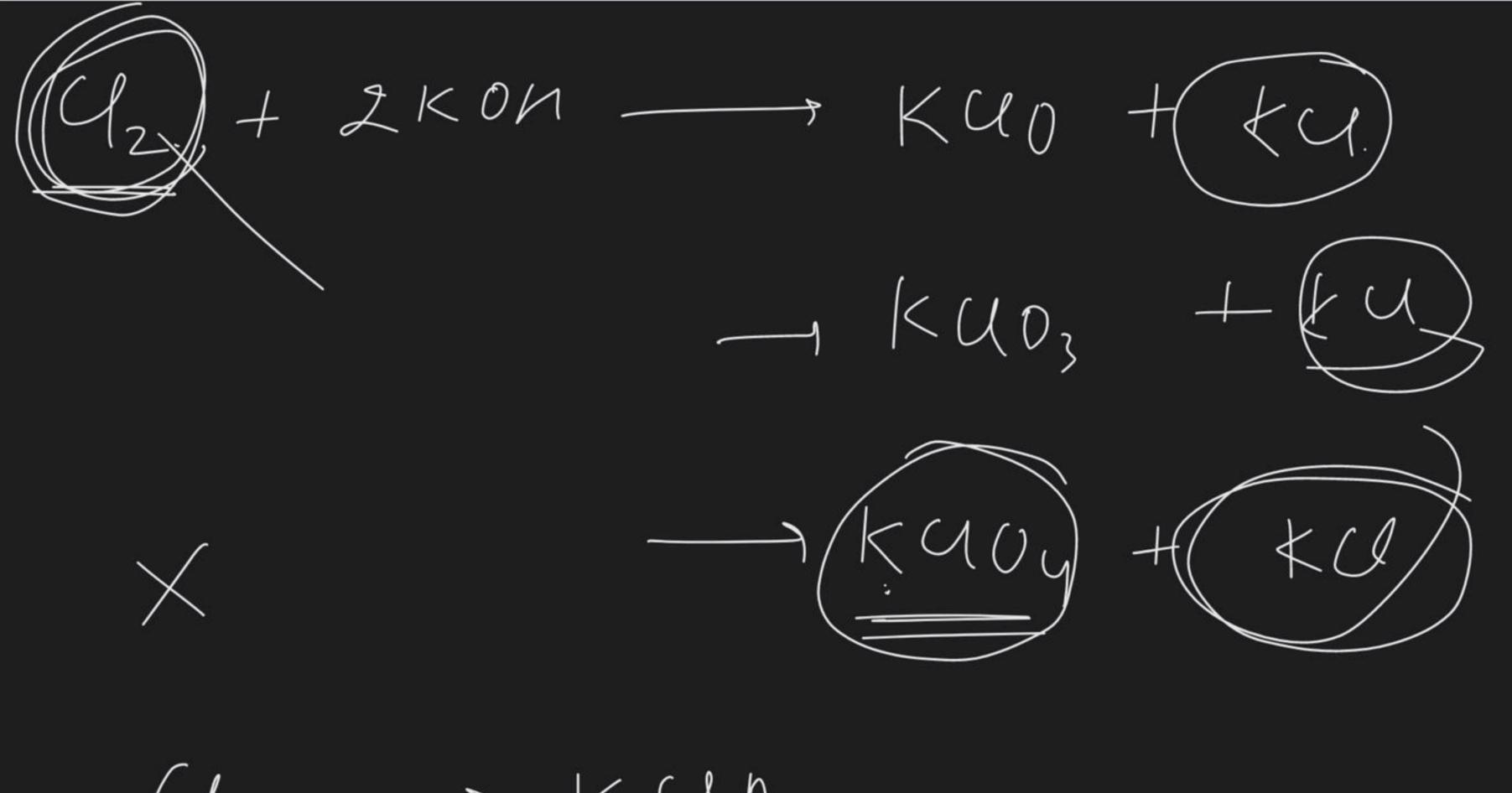
DH = 100 K Throf 8C + 4A -- 56B + 10P 4C + 2A -> 3B 15D 13 4 = 50 K J/mol Per mod & K×n nDitt motes equal to the stoidiometric A) When I med A reacts 11 2 mod 11 11 I mod B is former None. (7)

J 5 mal N2 -560 KJ - 2 m/LJ 6 mal 1/2

 $\frac{1}{1} + 6c \rightarrow D$

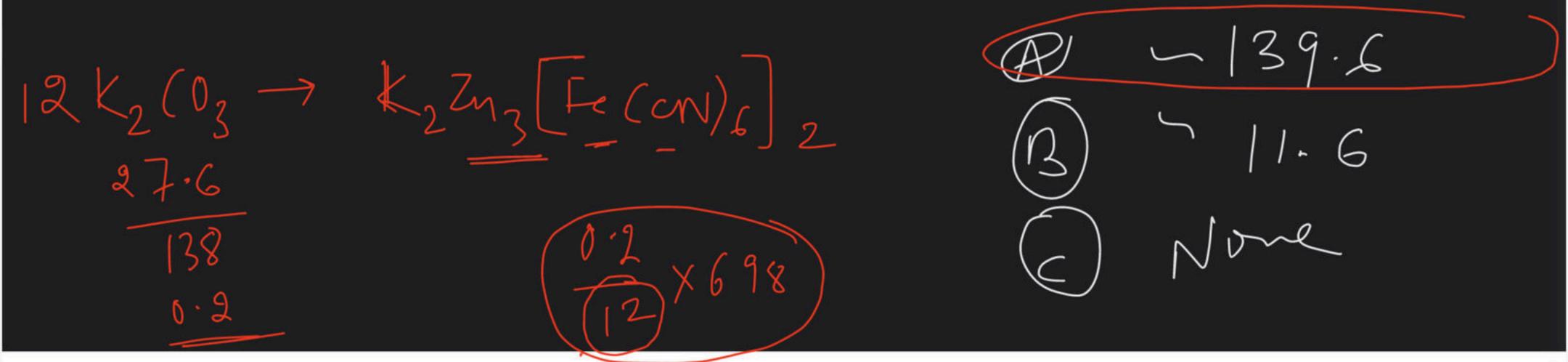
(35 pieces) 35 <u>pieces</u>





 $\frac{1}{2}$ \rightarrow \times $\frac{1}{2}$

Qualitative Qualitative)



27.6g K₂CO₃ was treated by a series of reagents so as to convert all of its carbon to K₂Zn₃ [Fe(CN)₆]₂. Calculate the weight of the product.

[mol. wt. of $K_2CO_3 = 138$ and mol. wt. of K_2Zn_3 [Fe(CN)₆]₂ \neq 698]

related Type-2 poblems Problems Rxy with parallel $\frac{Ku0_3}{ymot} \rightarrow \frac{Ku + \frac{3}{2}o_2}{ymot}$ 4 LCO3 -> 3 KCCG + KCC. b-n Stord (6 mol) (60% 2m) Rxn

$$\int C + O_2 \longrightarrow CO_2$$

$$C + \sqrt{2} \longrightarrow CO$$

Depending upon the relative amount of or both. If oz him excen amount product will be CO2, if carbon in in excess amont product will be (0. then find moles of product (s) (1) 2 mol C + 3 mol 62 7 2 mol co2 2) 2 mol C + 0.5 mol 02 / s/mol (0) 6) 2 mol C + 1.25 mol 02

3 mol 2 mo 2 mol 3-2=/mol 3 ~~ 2 mg 2 mg

$$\frac{2md}{2md}$$

$$\frac{2md}{6}$$

$$\frac{2md}{2md}$$

$$\frac{2md}{2md}$$

$$\frac{2md}{2md}$$

$$\frac{2md}{2md}$$

$$\frac{2md}{2md}$$

$$\frac{2md}{2md}$$

$$(-0) + 02$$

$$Co_2 + C \rightarrow Zco$$

.25 2 mol 2 mol 025 CD + 1/202 0.25

$$\frac{5-2}{0-1} = 1-6$$

$$\frac{3|-35}{0-1} = \frac{0-11}{1-4}$$