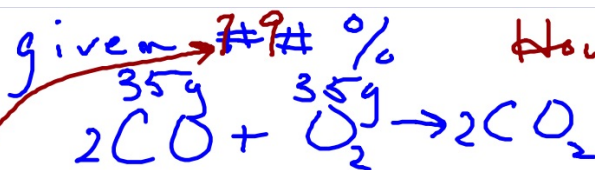


$$xg CO_2 = \frac{\#g O_2}{gmm} \cdot \frac{mmol O_2}{gmm} \cdot \frac{m}{m} \cdot \frac{gmm}{1 \text{ mole } CO_2}$$

2 Stai.



How much  $CO_2$  actually made?

Pick product

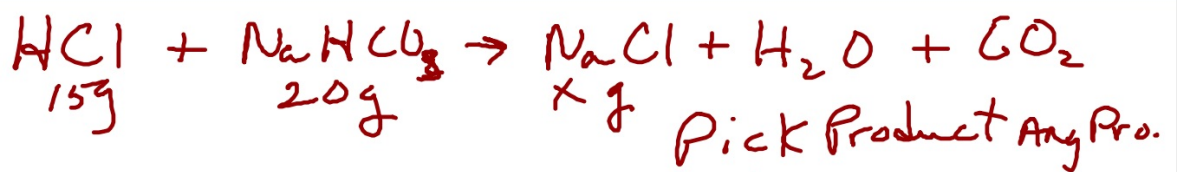
Any Product

xg  $CO_2$  =  $\frac{35g \overset{\text{Excess}}{CO}}{28g CO} \times \frac{1mol CO}{2mol CO} \times \frac{2mol CO_2}{1mol CO} \times \frac{44g CO_2}{1mol CO_2}$  Stoichiometry pick sm. #5

xg  $CO_2$  =  $\frac{35g \overset{\text{Limit}}{O_2}}{32g O_2} \times \frac{1mol O_2}{2mol O_2} \times \frac{2mol CO_2}{1mol O_2} \times \frac{44g CO_2}{1mol CO_2}$  = 5m Ans

% yield =  $\frac{\text{Exp yield (given 900)}}{\text{Theo. yield (Stoi) 5m Ans}} \times 100$

$\frac{79}{100} \times \text{Theo yield} = \text{Exp. yield}$



$$xg \text{ NaCl} = \frac{15g \text{ HCl}}{1gmm} \times \frac{1m}{1m} \times \frac{1m}{1m} \times \frac{1gmm}{1m} \times 2 \text{ Stoi.}$$

pick sm. ANS

$$xg \text{ NaCl} = \frac{20g \text{ NaHCO}_3}{1gmm}$$

Sm. ANS is the ANS. to question.

1st 5 from Last 2 tests.

$$V_2 P_2 T_1 = V_1 P_1 T_2$$

$$PV = nRT \leftarrow \text{mol in Prob.}$$

$$MPV = mRT \leftarrow \text{g in the Prob.}$$

$$V_1 = \text{if } H_2O$$

$$V_2 =$$

$$P_1 = \text{-WVP}$$

$$P_2 =$$

$$T_1 = +273$$

$$T_2 = +273$$

$$P = \# \text{-WVP of } H_2O$$

$$V = \#$$

$$n = \#$$

$$R = \#$$

$$T = \#$$

$$m = \text{g}$$

$$M = \text{gmm g/mol}$$

Prob. says

WATER

Wet

dry

$H_2O$

WVP

if 00 Temp /  
ANS must be  
in  $^{\circ}C$