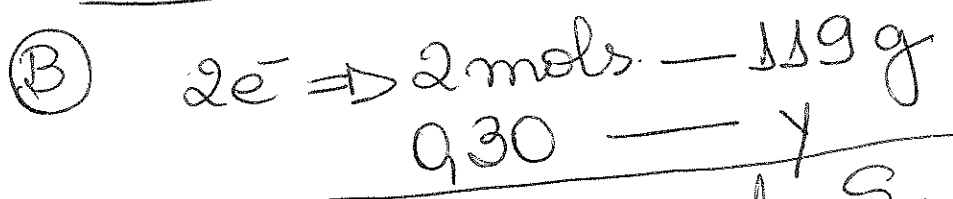


$2e^-$	—	Sn
193000	—	119
x	—	$1,19 \cdot 10^3$

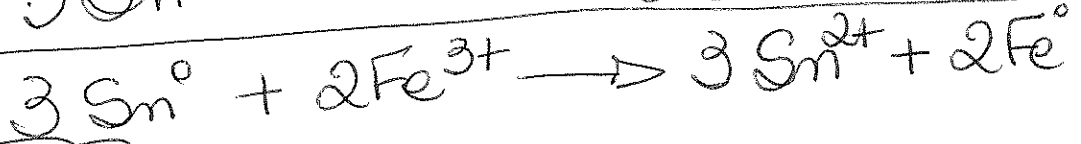
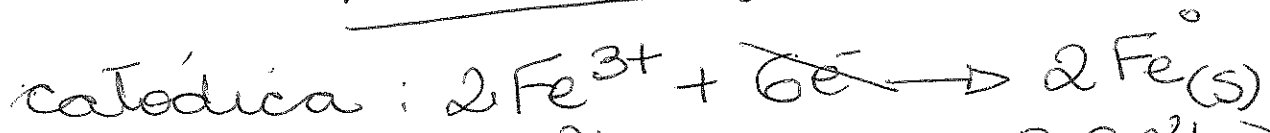
$Q = i \cdot \Delta t$   
 $1,93 = 0,1 \cdot \Delta t$

$x = 1,93 C$

$\Delta t = 19,3 s$



$\gamma = 17,85 g \text{ de Sn}$



$\Delta E = 0,10V$

16) a)  $Q = i \cdot \Delta t$

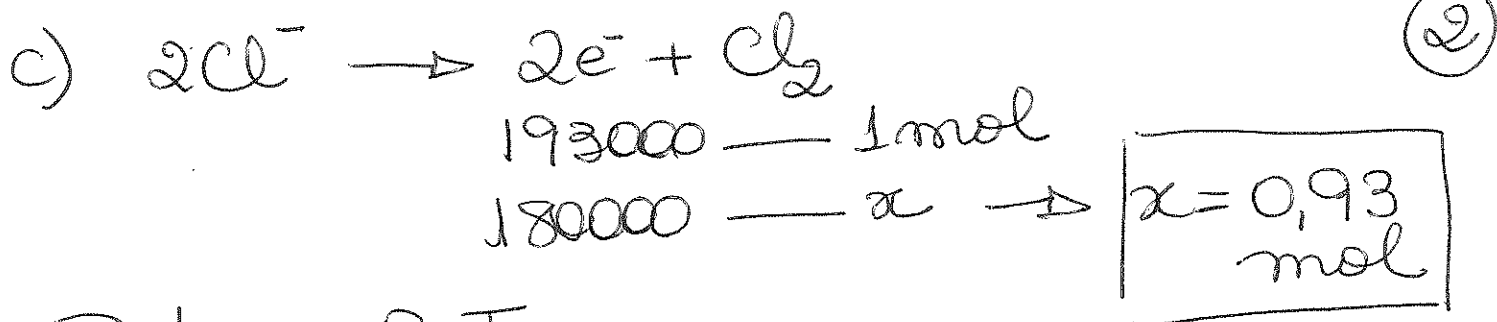
$Q = 5 \cdot 36000$

$Q = 180000 C$



$2e^-$	—	$Cl_2$
193000	—	71
180000	—	x

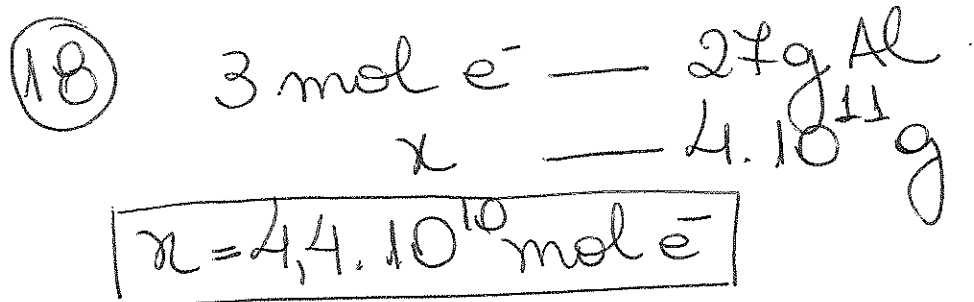
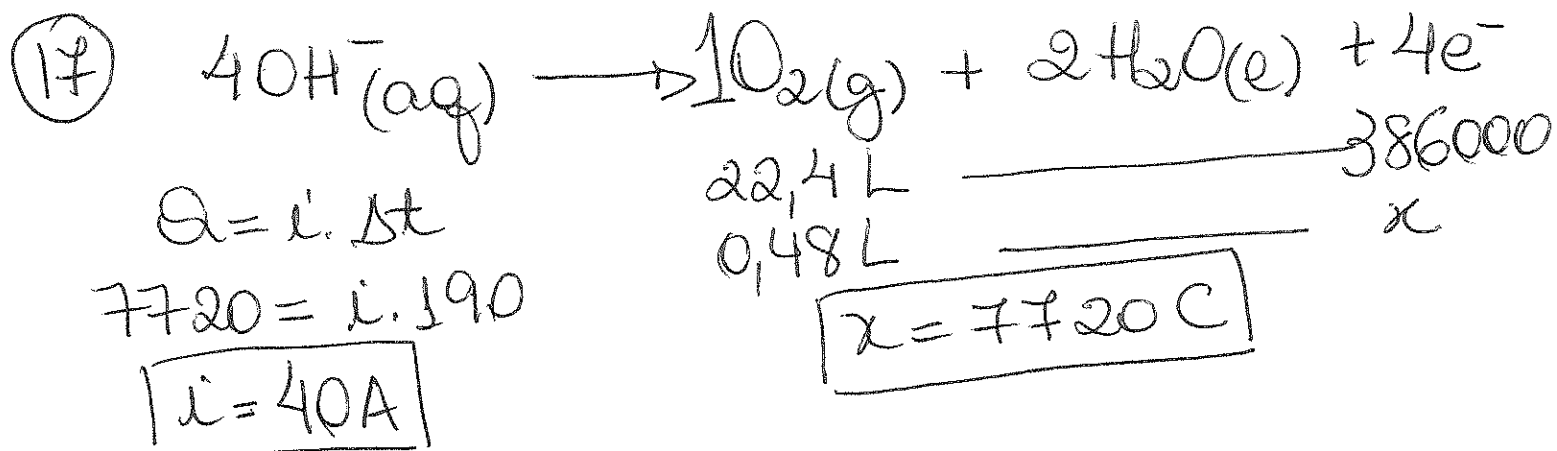
$x = 66,22 g$



$$P.V = n.R.T$$

$$1.V = 0,93 \cdot 0,082 \cdot 290$$

$V = 22,12 \text{ L de gas cloro}$



96500 C	—	1 mol e <sup>-</sup>
y	—	$4,4 \cdot 10^{10}$

$y = 4,246 \cdot 10^{15} \text{ C}$

$$Q = i \cdot \Delta t$$

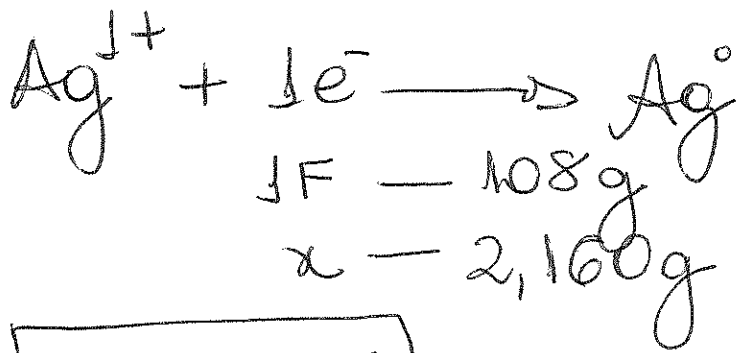
$$4,246 \cdot 10^{15} = 2 \cdot 10^5 \cdot \Delta t$$

$\Delta t = 2,1 \cdot 10^{10} \text{ seg}$

1 ano —  $3 \cdot 10^7 \text{ s}$   
 $Z \text{ — } 2,1 \cdot 10^{10} \text{ s}$

$Z = 700 \text{ anos}$

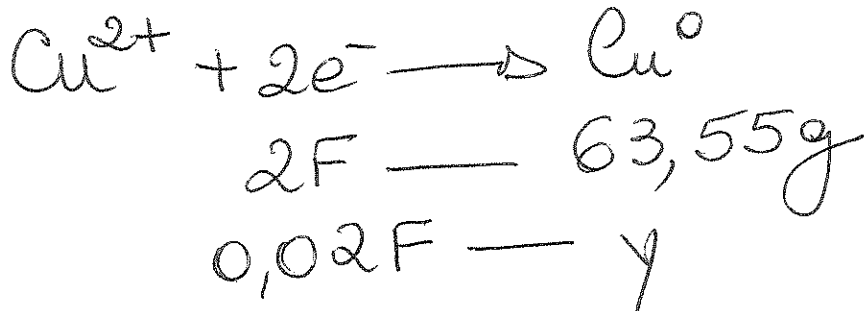
19



$$1e^{-} = 1F$$

3

$$x = 0,02 F$$



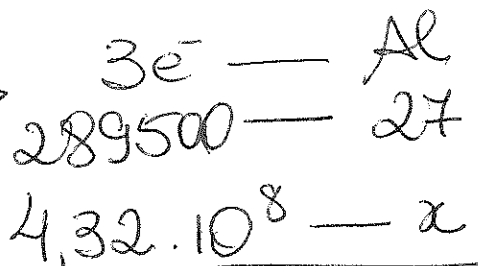
$$y = 0,6355g$$

20

$$Q = i \cdot \Delta t$$

$$Q = 120 \cdot 10^3 \cdot 3600$$

$$Q = 4,32 \cdot 10^8 C$$



$$x = 40,29 Kg$$

$$1 \text{ cuba --- } 40,29 Kg$$

$$15 \text{ cubas --- } y$$

$$y = 604,35 Kg$$