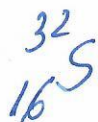


2) Humusul de neutroni continute 19,2g S, si 2,8g H.



- 1 atom $\rightarrow Z = A + H \Rightarrow$

$$H = A - Z = 32 - 16 = 16n.$$

1 mol S 32 g S $6,023 \cdot 10^{23}$ atomi

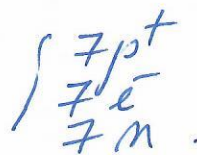
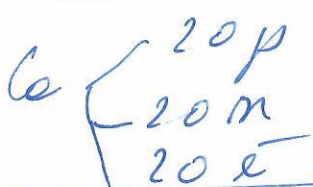
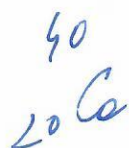
19,2 g S _____ x

$$x = \frac{6,023 \cdot 10^{23} \cdot 19,2}{32} = \frac{115,64 \cdot 10^{23}}{32} = 3,61 \cdot 10^{23} \text{ atomi}$$

1 atom - - - - - 16 n.

$3,61 \cdot 10^{23}$ _____ y

$$y = \frac{3,61 \cdot 10^{23} \cdot 16}{1} = 57,76 \cdot 10^{23} = 5,776 \cdot 10^{24} \text{ n S.}$$



1 mol prot - - - 1g $6,023 \cdot 10^{23}$ at.

$$x = \frac{2,8 \cdot 6,023 \cdot 10^{23}}{14} = 1,204 \cdot 10^{23}$$

1 at H - - - - - 1 n

$1,204 \cdot 10^{23}$ at H _____ y =

$$y = \frac{1,204 \cdot 10^{23} \cdot 1}{1} = 1,204 \cdot 10^{23}$$