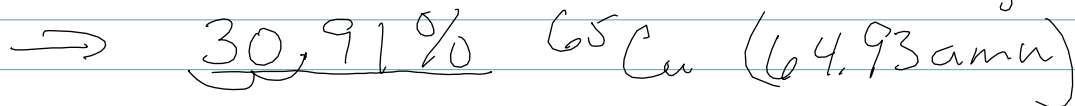
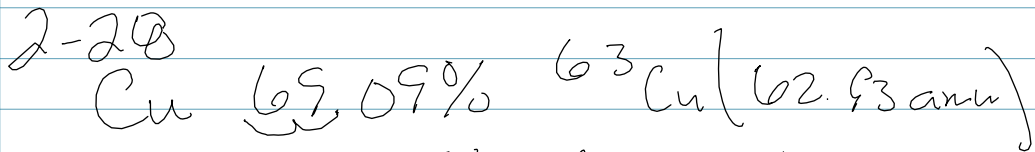


2-28

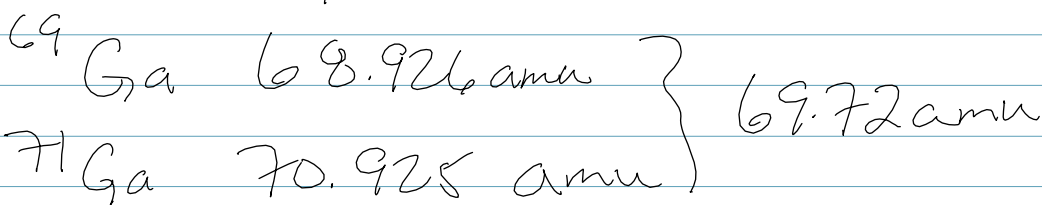


$$100\% - 69.09\% = 30.91\% \text{ } ^{65}\text{Cu}$$

$$0.6909 \times 62.93 \text{ amu} = 43.48 \text{ amu}$$

$$\textcircled{0.3091} \times 64.93 \text{ amu} = \underline{20.07 \text{ amu}}$$
$$\rightarrow \underline{63.55 \text{ amu}}$$

Prob 2-30 Ga 69.72 amu



$$(X \times 68.926 \text{ amu}) + (Y \times 70.925 \text{ amu}) = 69.72 \text{ amu}$$

$$X + Y = 1 \rightarrow Y = 1 - X$$

$$X = 1 - Y$$

$$^{71}\text{Ga} = 39.27\%$$

$$^{69}\text{Ga} = 100 - 39.27\%$$

$$((1 - Y) \times 68.926 \text{ amu}) + (Y \times 70.925 \text{ amu}) = 69.72 \text{ amu}$$

$$68.926 - 68.926Y + 70.925Y = 69.72$$

$$(70.925Y - 68.926Y) + 68.926 = 69.72$$

$$\frac{1.999Y}{1.999} = \frac{0.794}{1.999} = Y = 0.3972$$

39.72%