P #B

Ch 29 - Worksheet

a) $m = 89.907737\ u \cdot \frac{1.66 \times 10^{-27}\ kg}{1\ u}$

$$\boxed{m = 1.49 \times 10^{-25}\ kg}$$

b) $^{90}_{38}Sr$ # of protons = Z $\quad \boxed{Z = 38}$

c) $^{90}_{38}Sr$ # of neutrons = A - Z

= 90 - 38 $\quad \boxed{\#\text{neutrons} = 52}$